

Figure 1

0966437 040204  
T02040 5452860

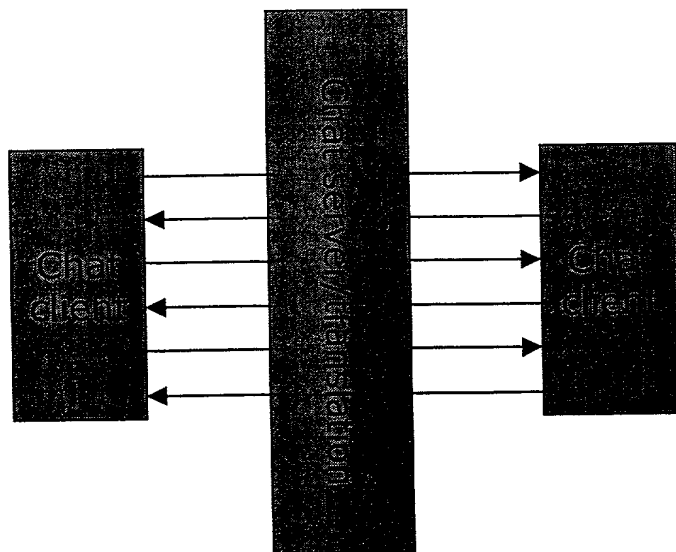


FIGURE 2

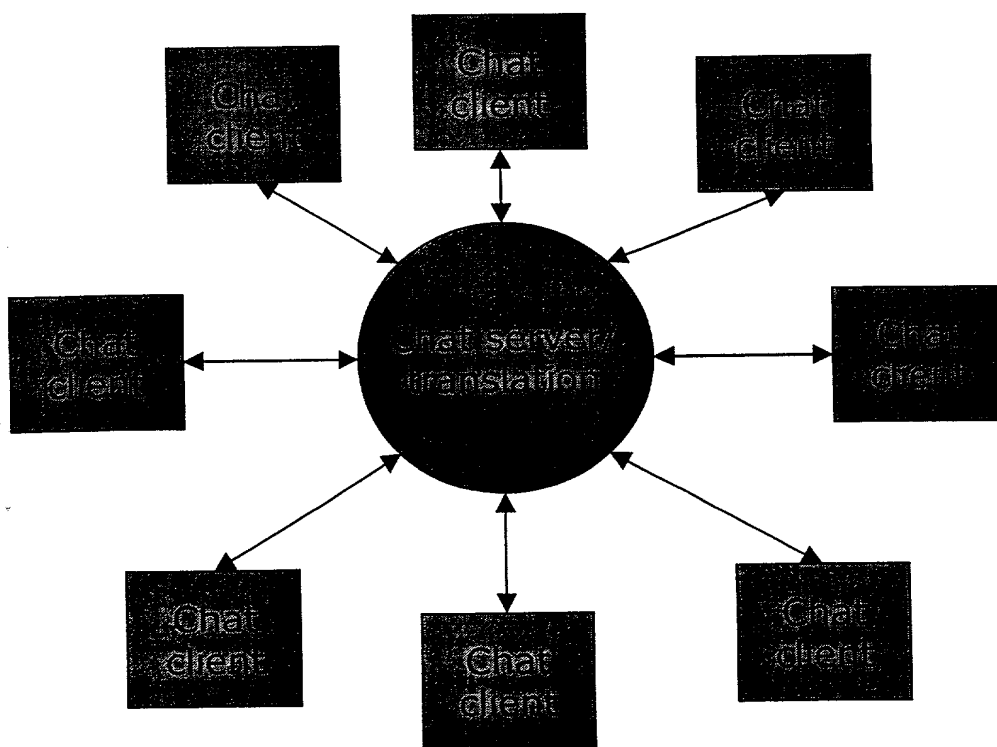


FIGURE 3

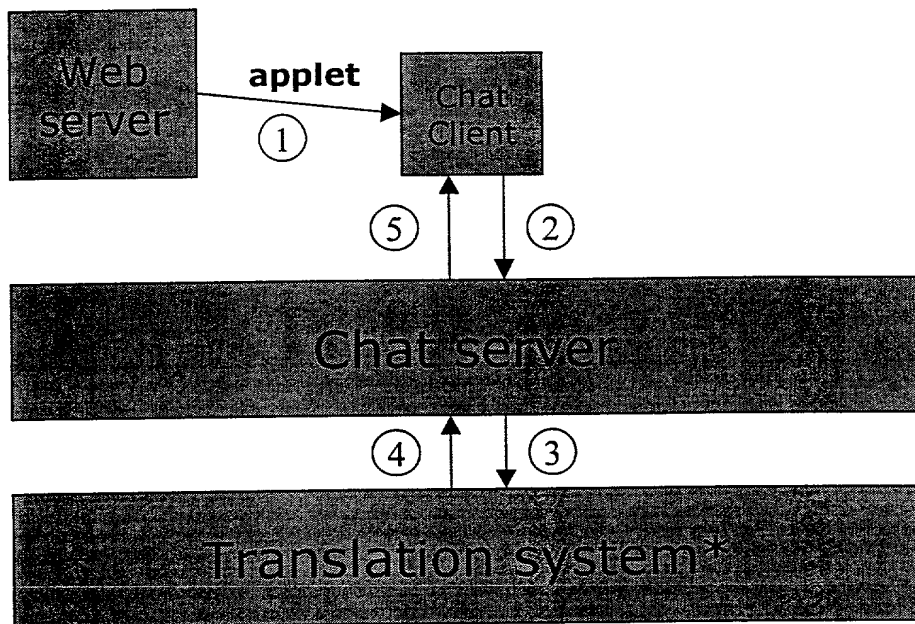


FIGURE 4

TECHNOLOGY

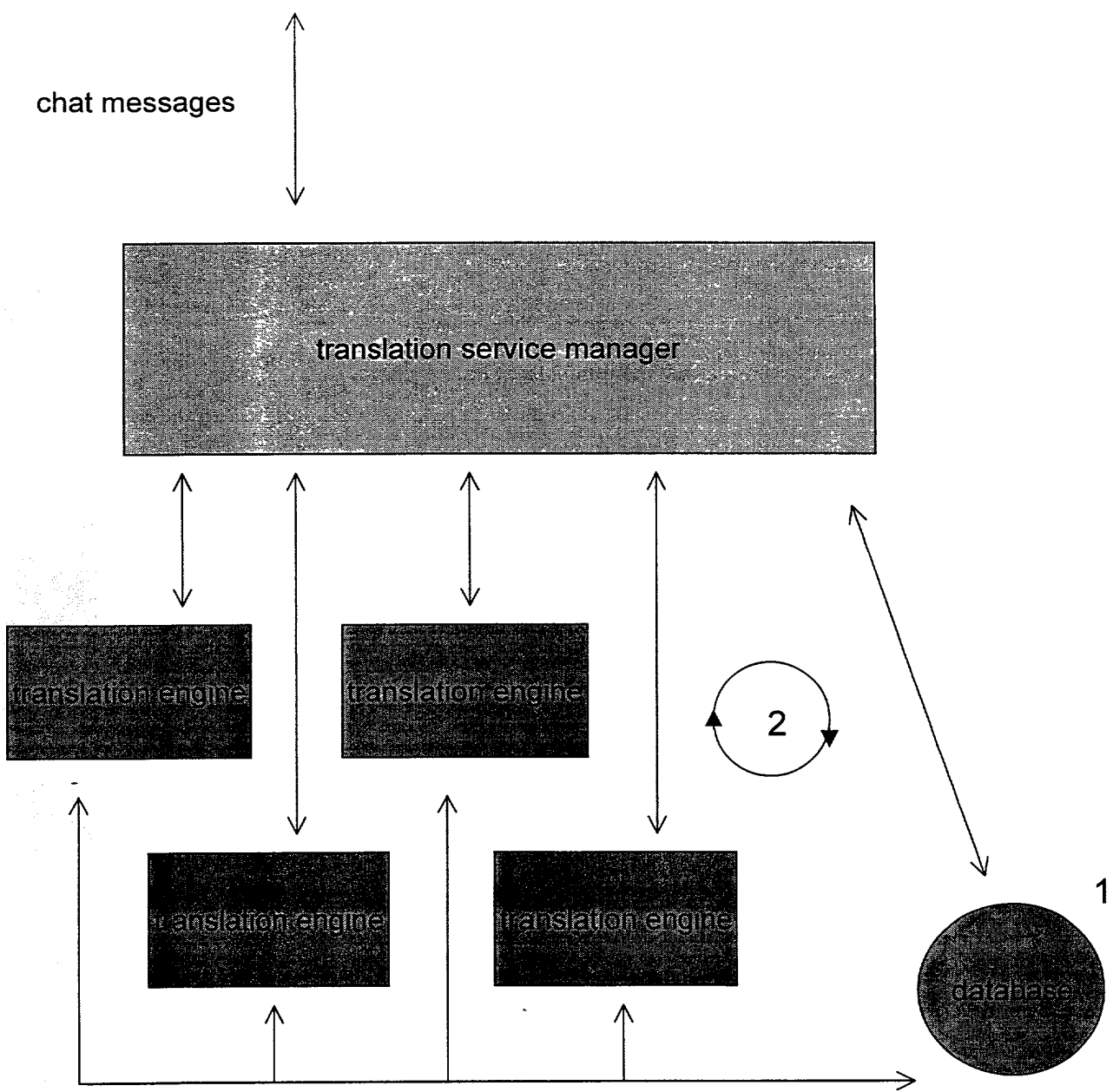


FIGURE 5

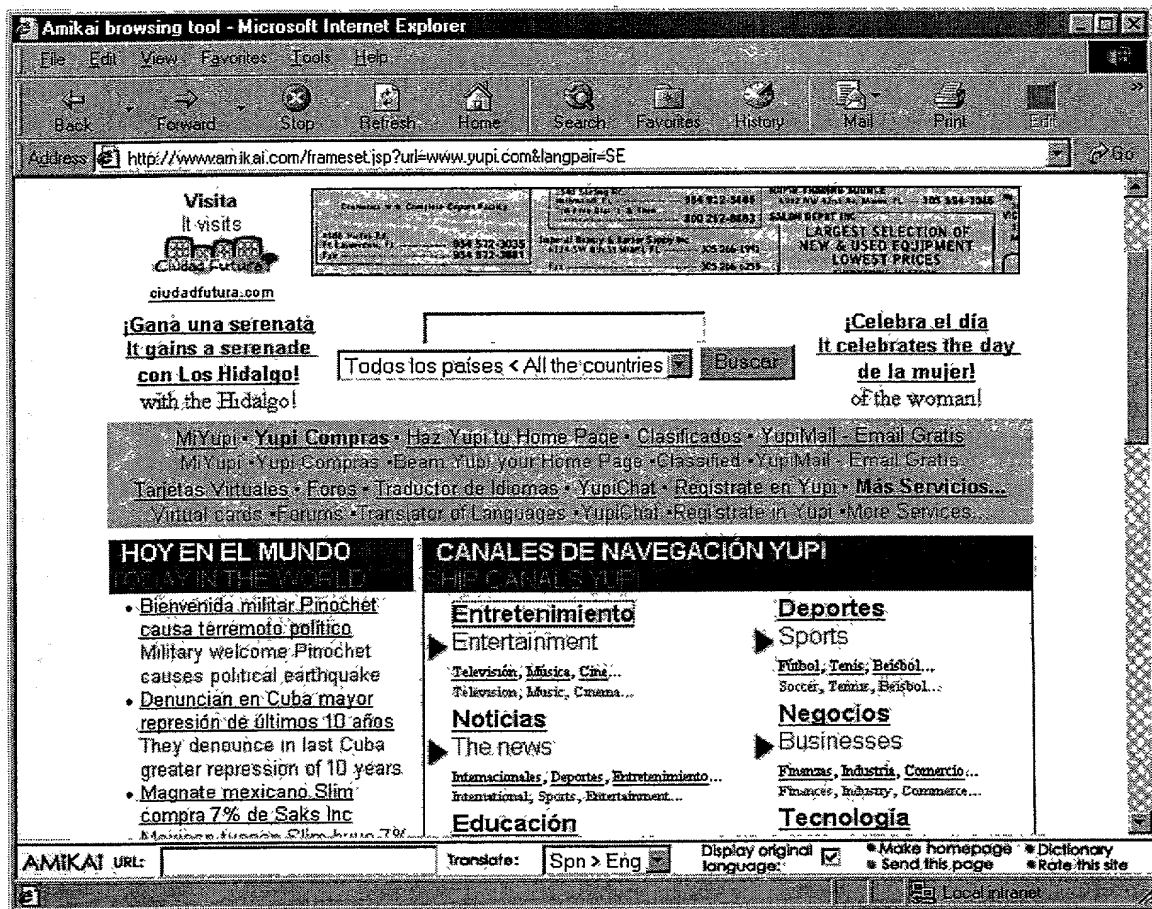


Figure 6

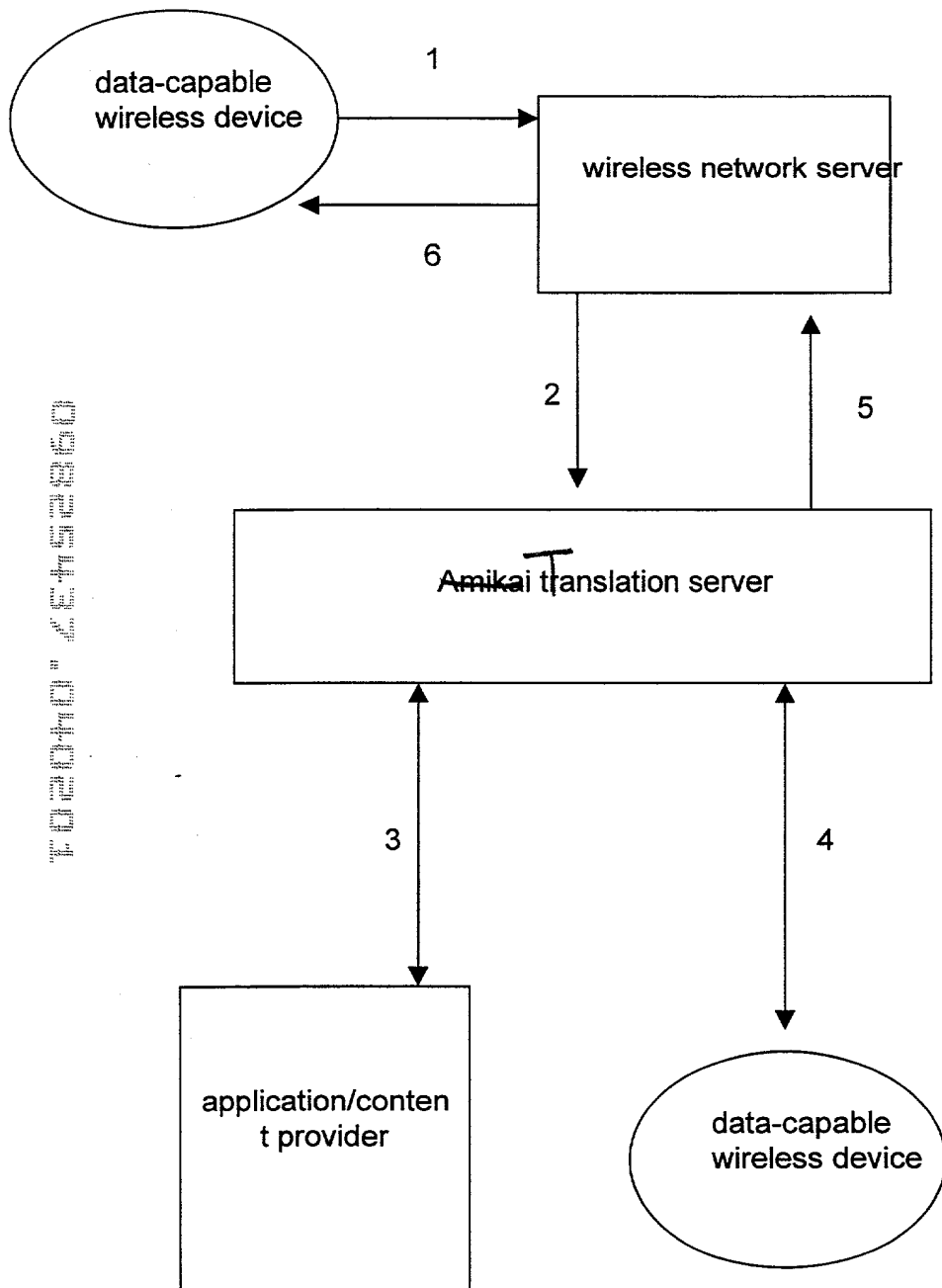


FIGURE 7

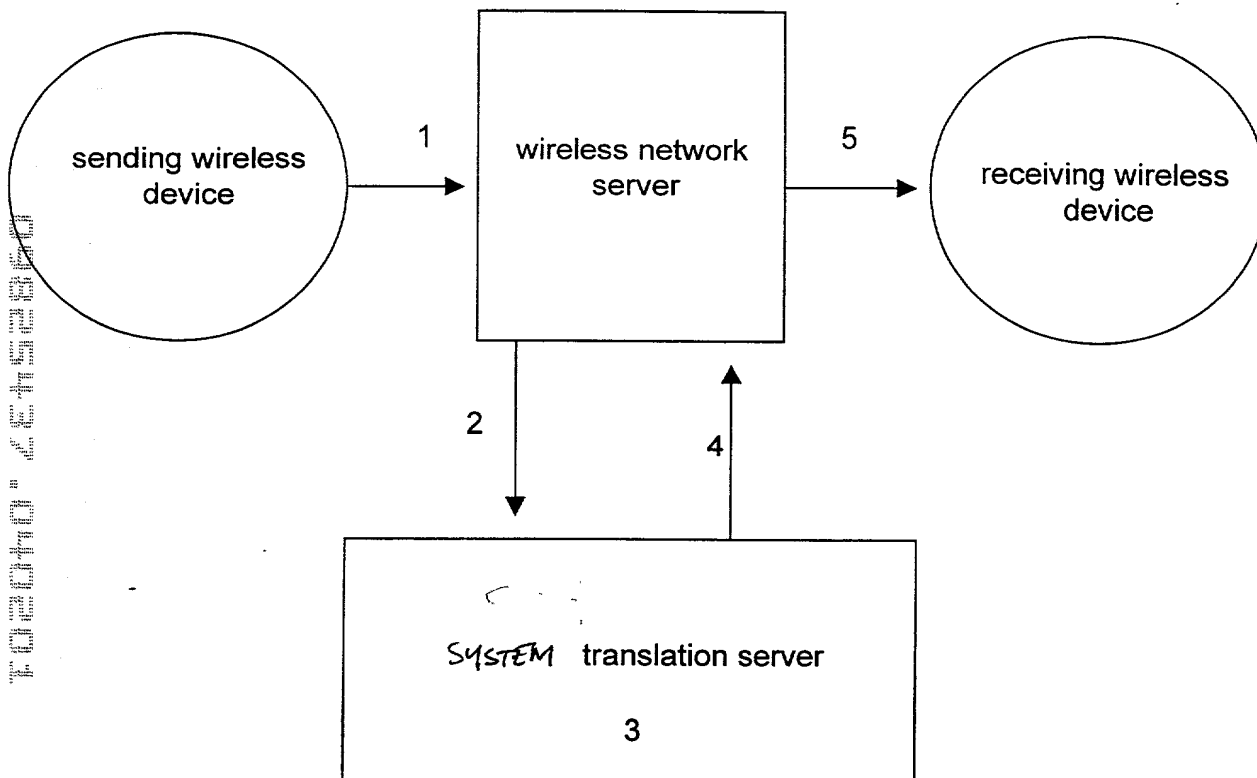


FIGURE 8

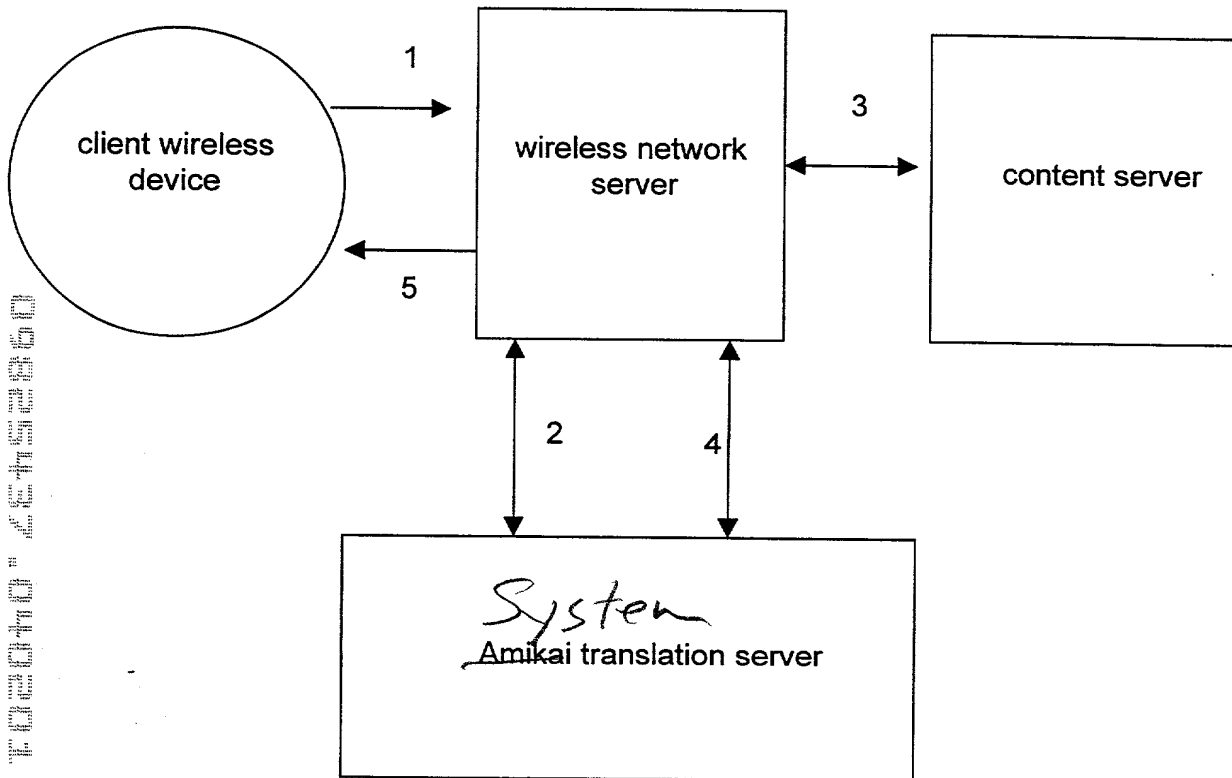
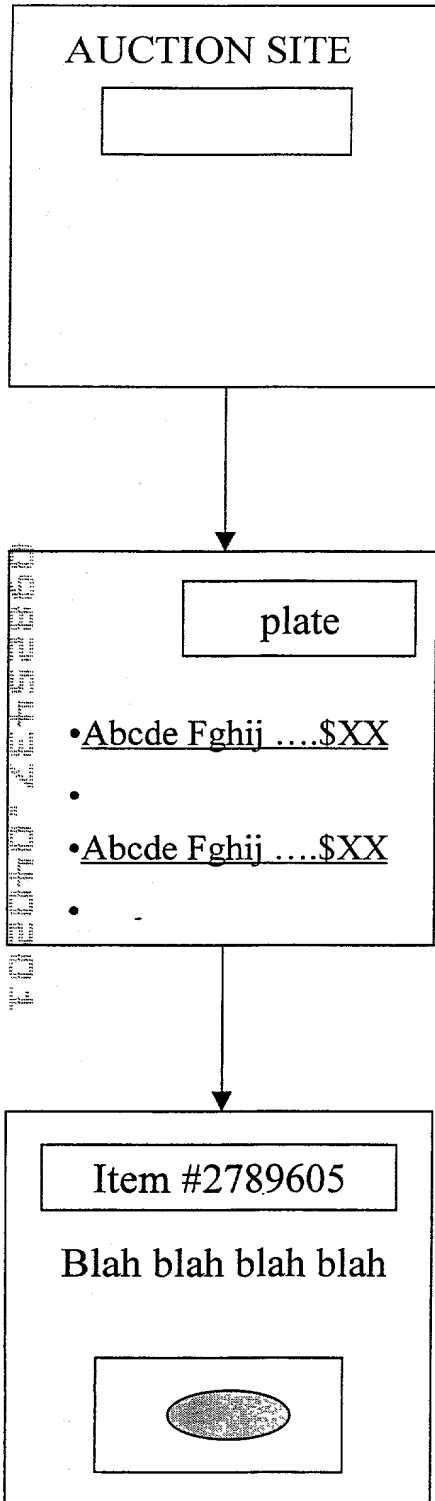


FIGURE 9





- Query in language A, auction site in language B
- Query translated from language A to language B
- Run regular database query with translated query
- Display returned auction items, with translations
- User clicks on auction link to view auction page
- Page displayed in both languages, A and B

FIGURE 10a

FIGURE 10(b)

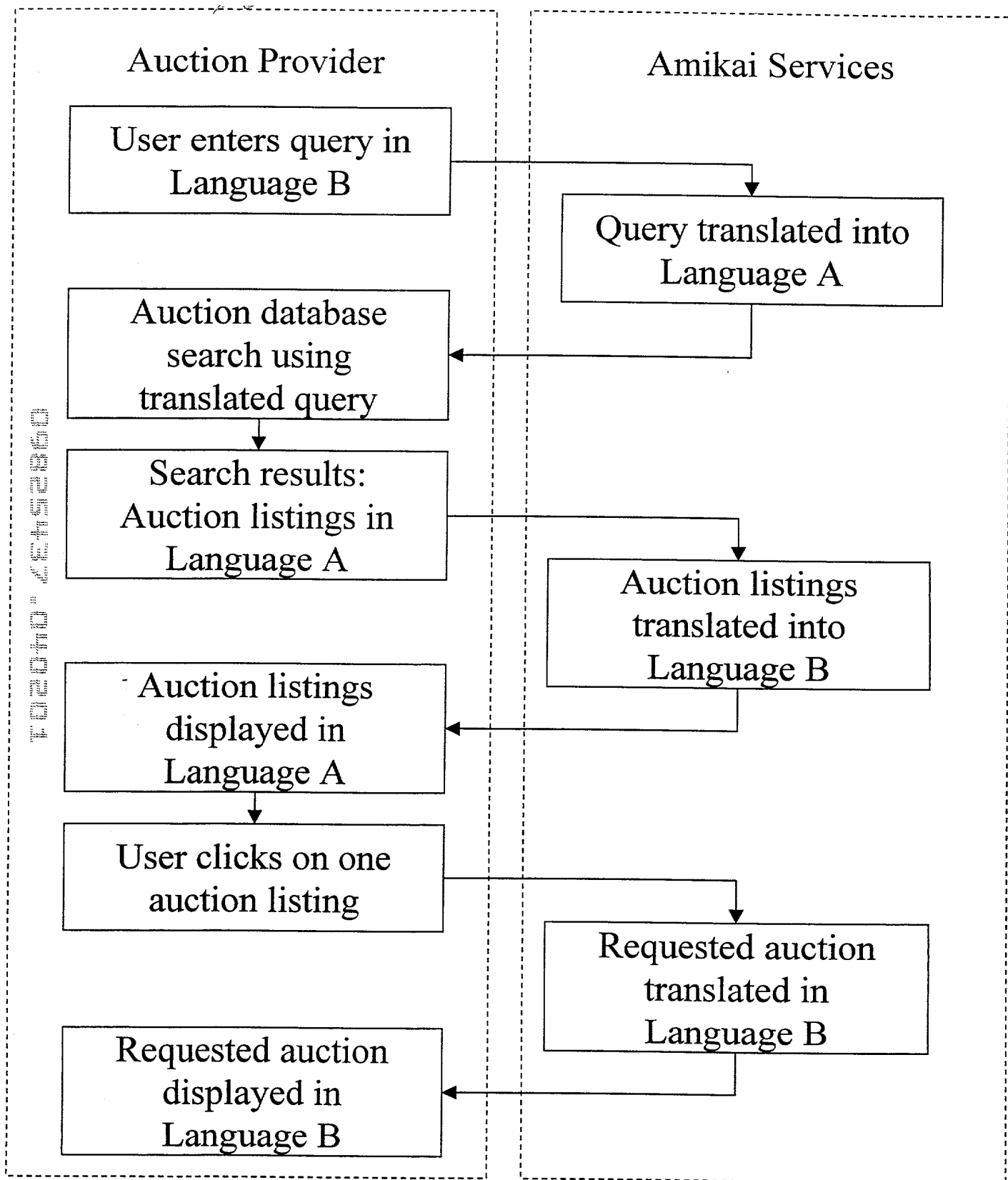


FIG. 11

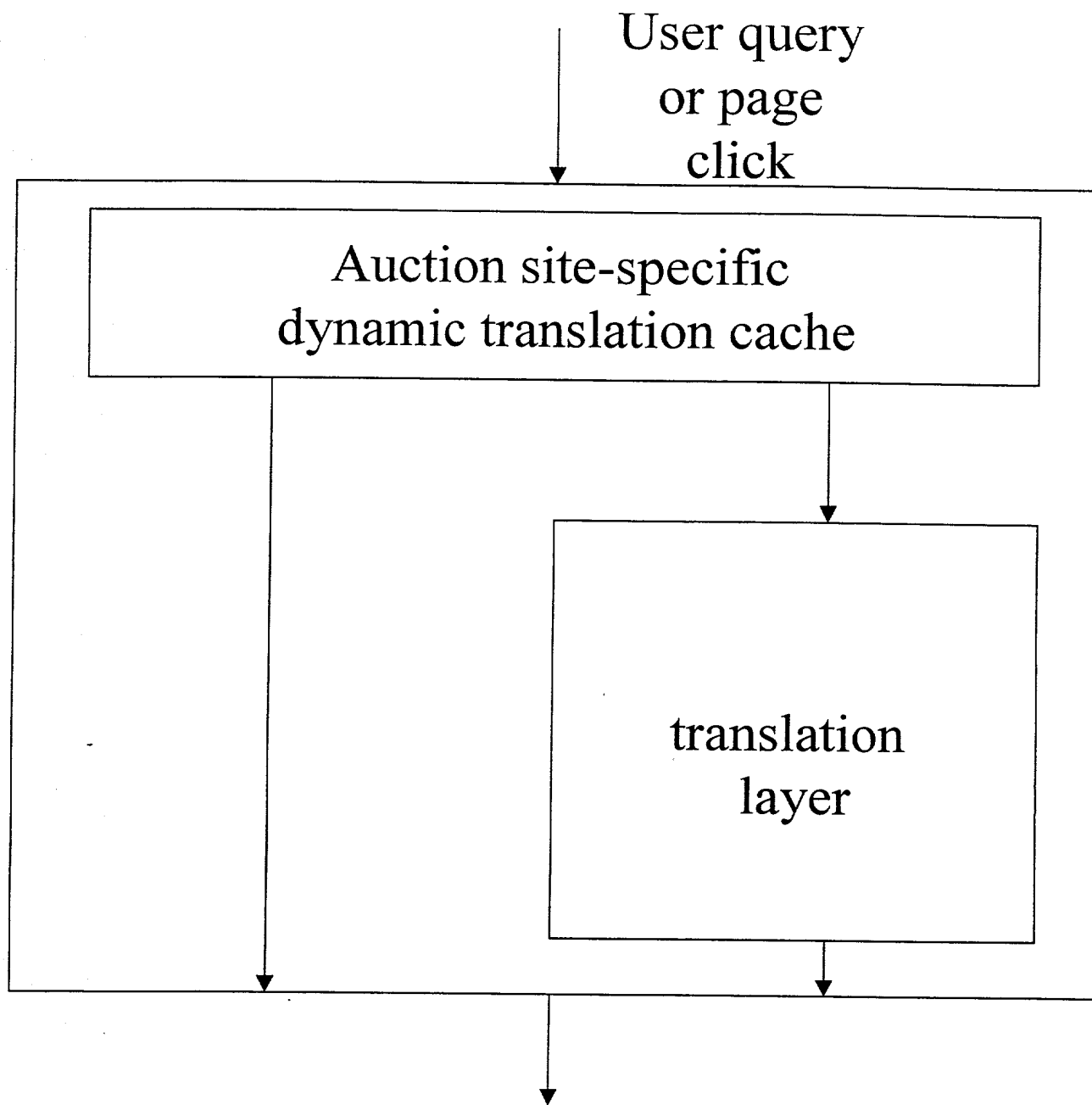


FIGURE 11

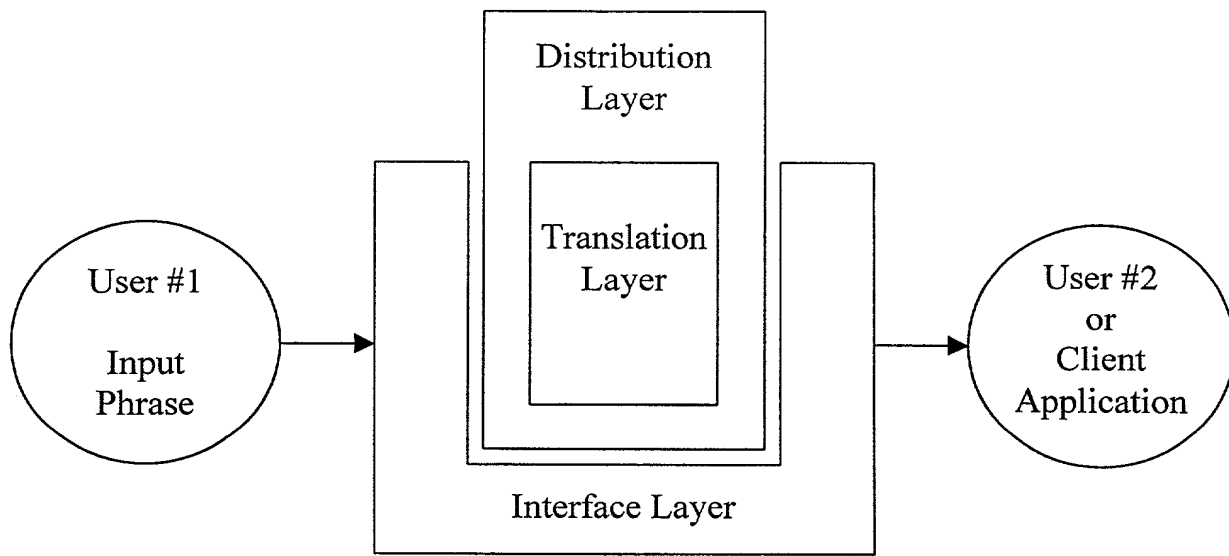


Figure 12

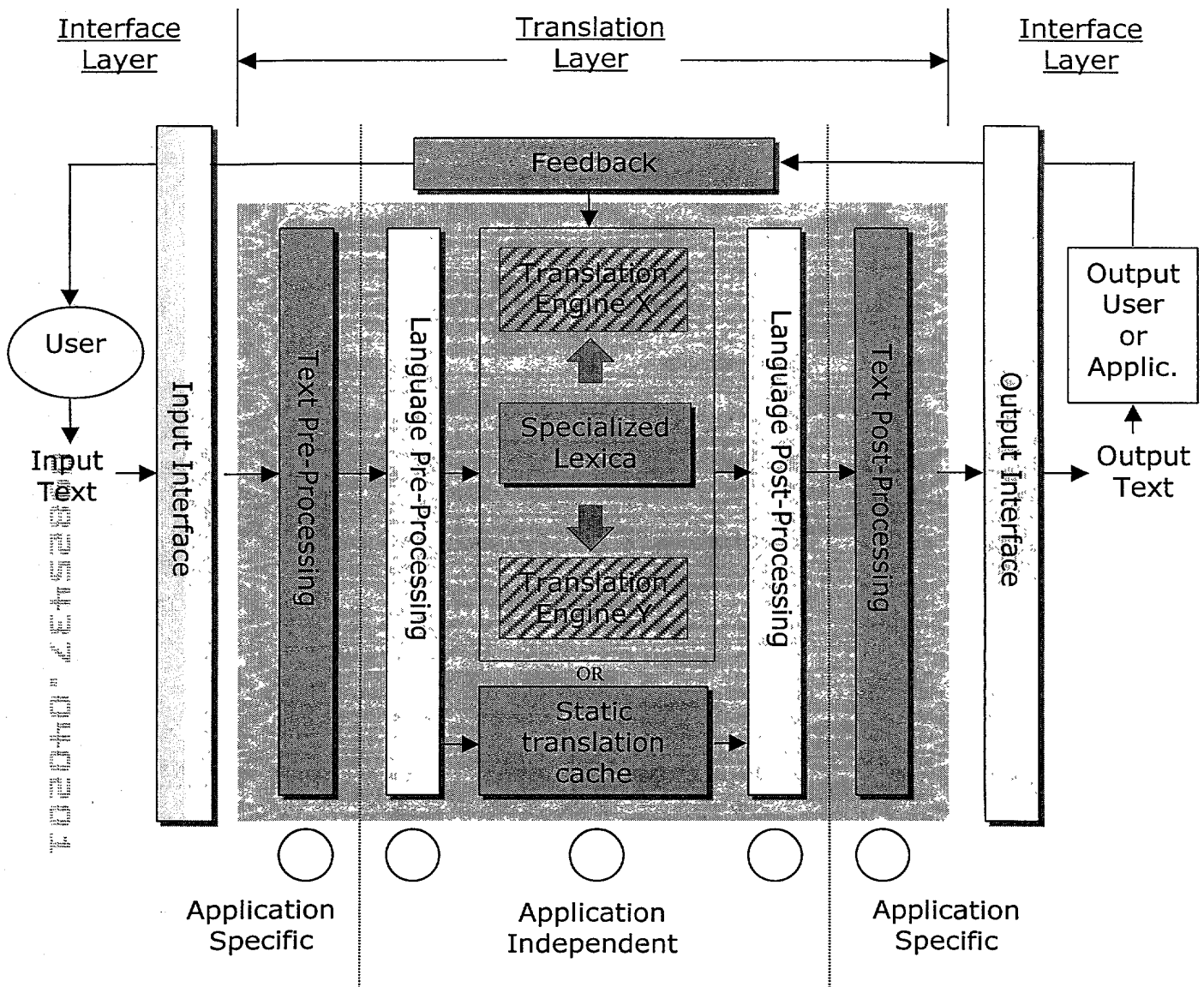
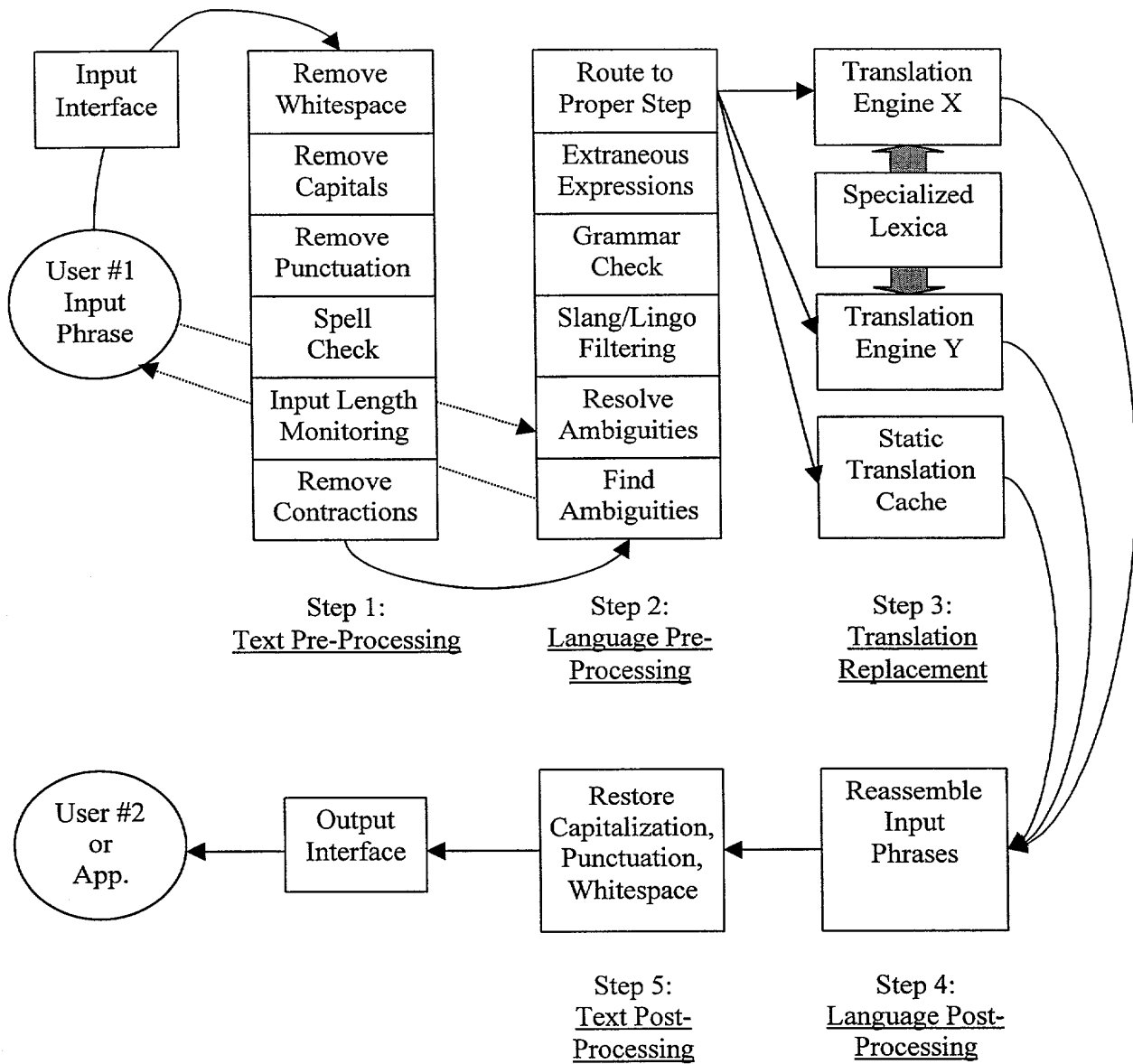


Figure 13

Figure 14



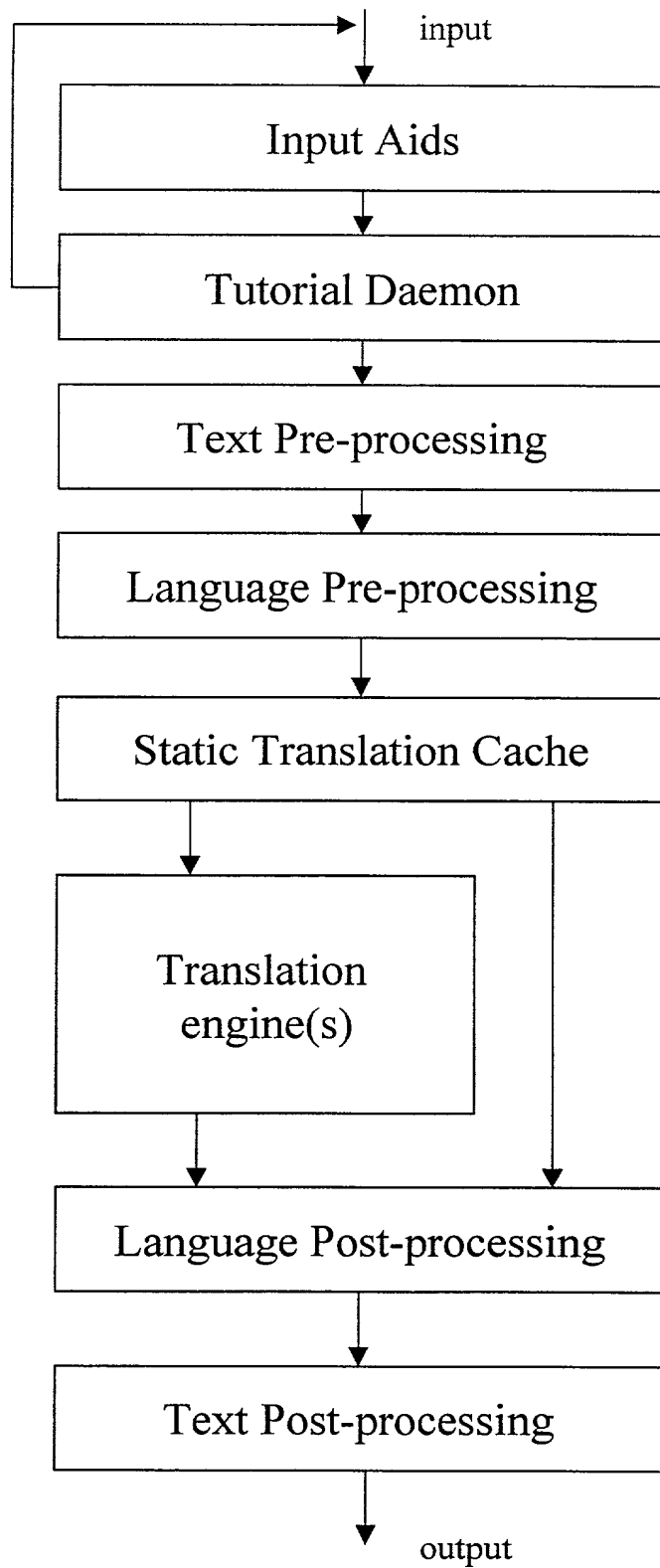


FIGURE 15(a)

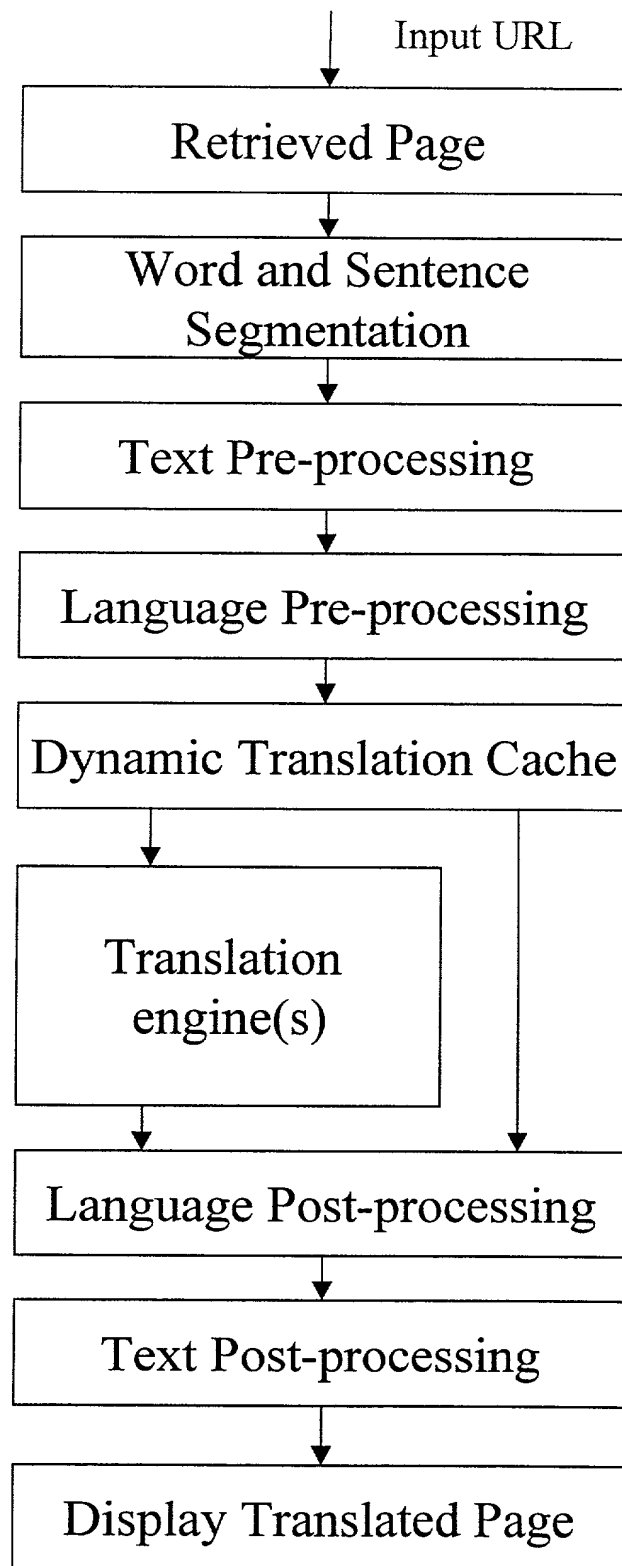


FIGURE 15(b)



Typing  
Shortcuts

Emoticons

Hyperlink  
Dictionaries

Action  
Buttons

“Do Not  
Translate”  
Lists

Hyperlink  
Recognition

“Do Not  
Translate”  
Characters

FIGURE 16

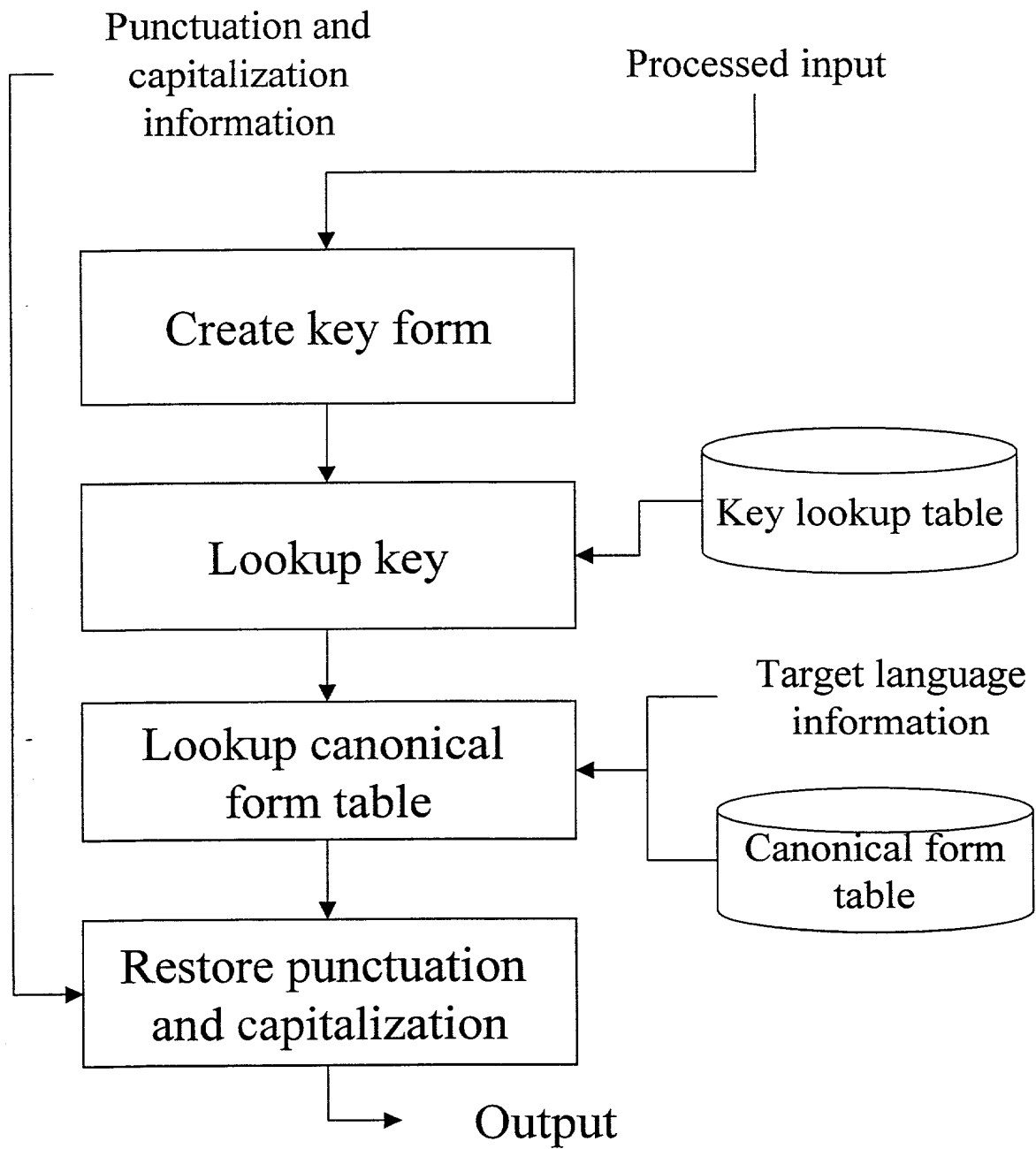


FIGURE 17

input



Restore Certain  
Abbreviations



Reconstruct  
Separate Units



output

FIGURE 18

input



Restore  
Capitalization



Restore  
Punctuation



Restore Some  
Contractions



Prepare Text for  
Display



output

FIGURE 19

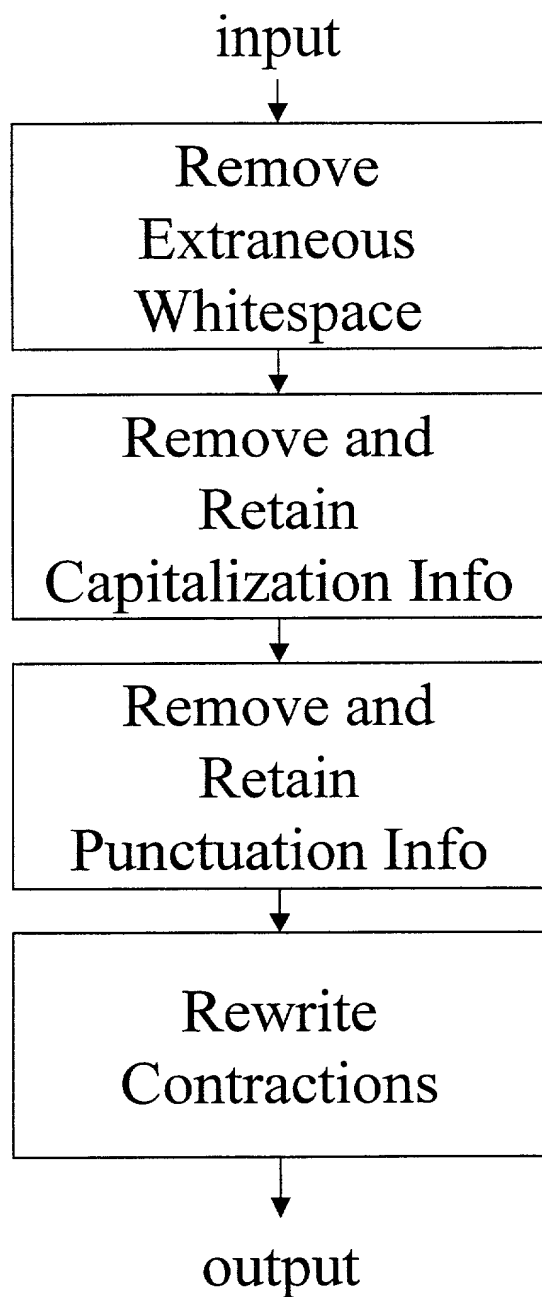


FIGURE 20

input



Remove  
Extraneous  
Expressions



Rewrite  
Slang and  
Chat Lingo



Rewrite Certain  
Abbreviations



Dissect Text into  
Analyzable Units



output

FIGURE 21

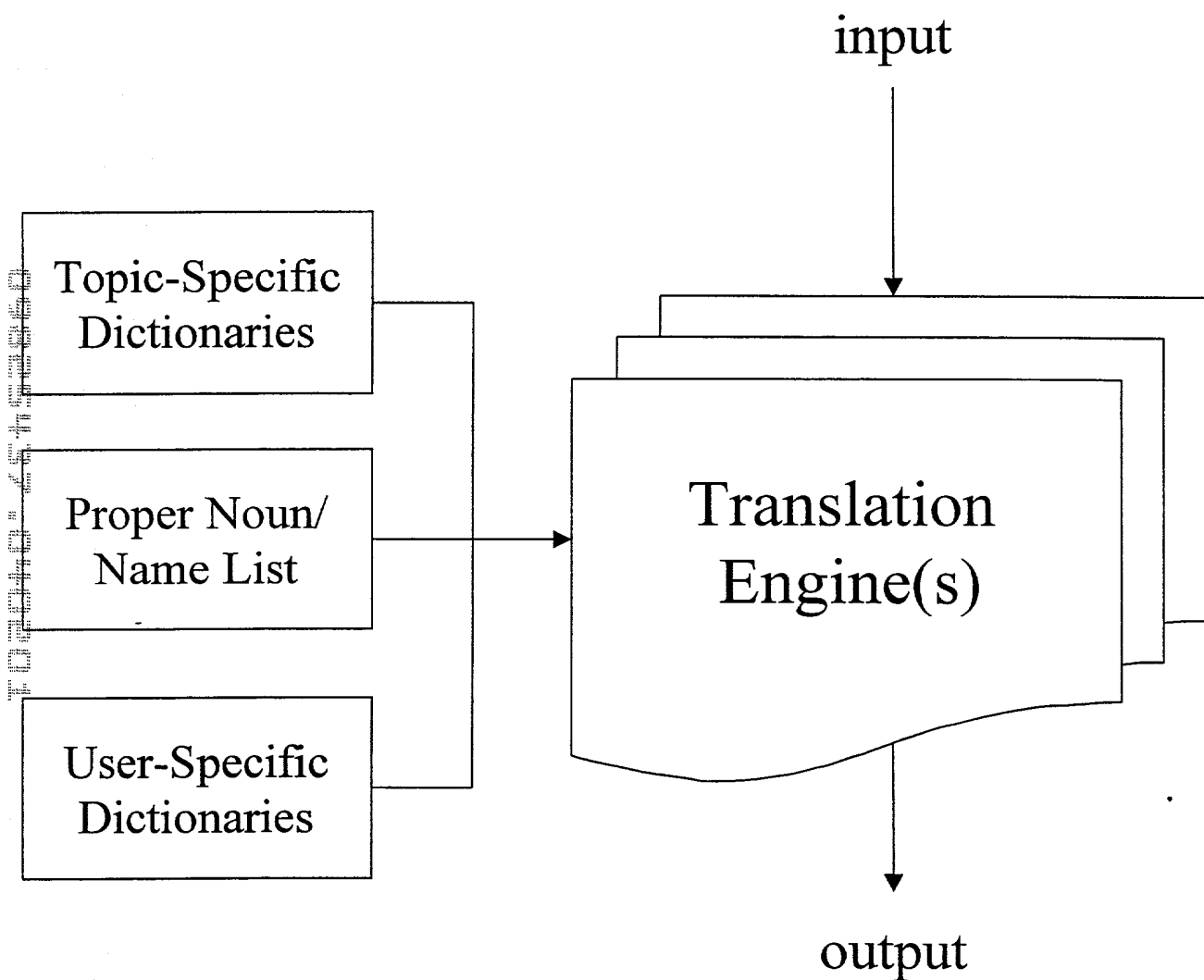


FIGURE 22

**Figure 23**

Topic:

1.03040" 2.6752860



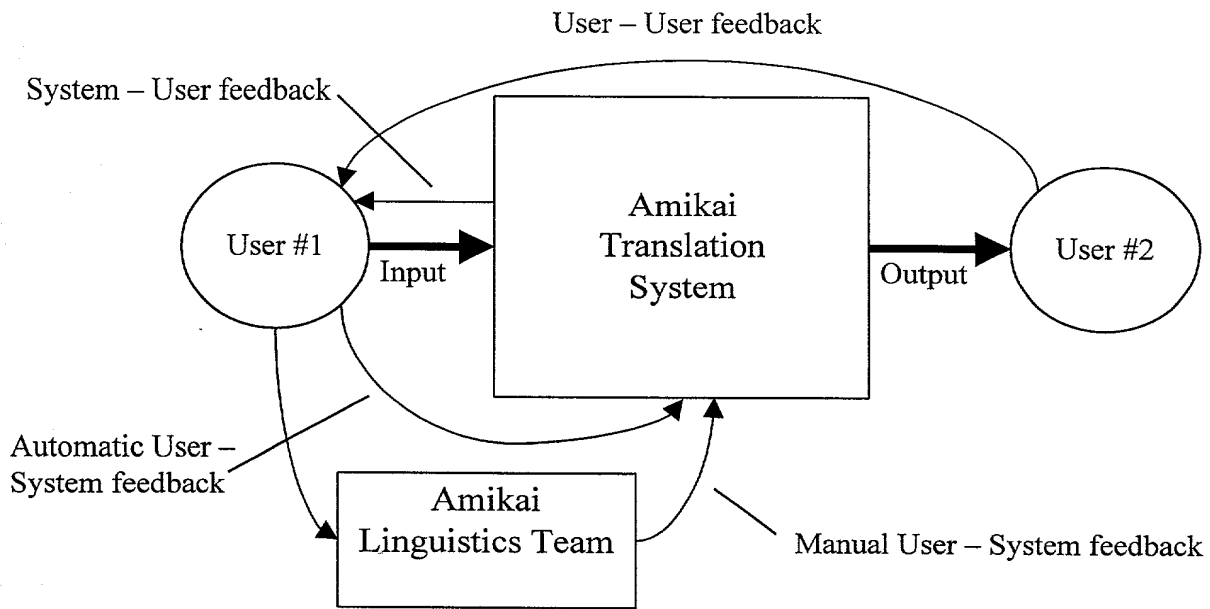


Figure 24

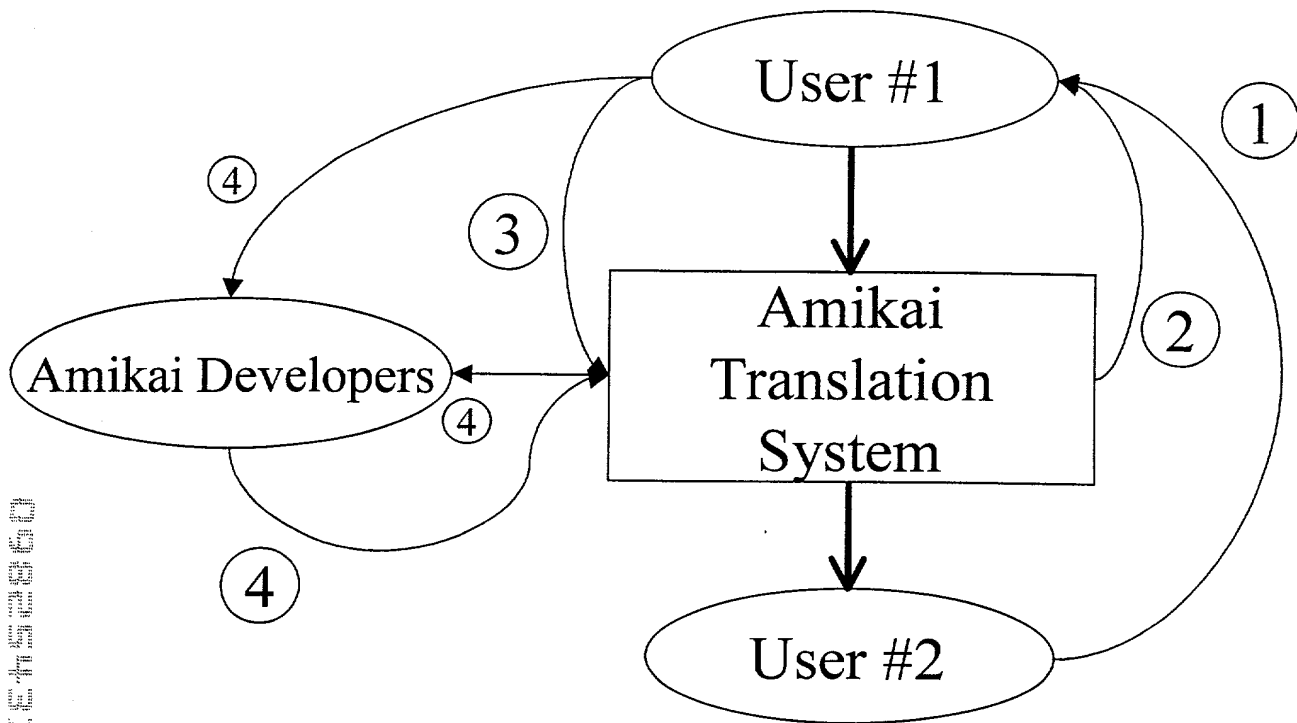


FIGURE 25

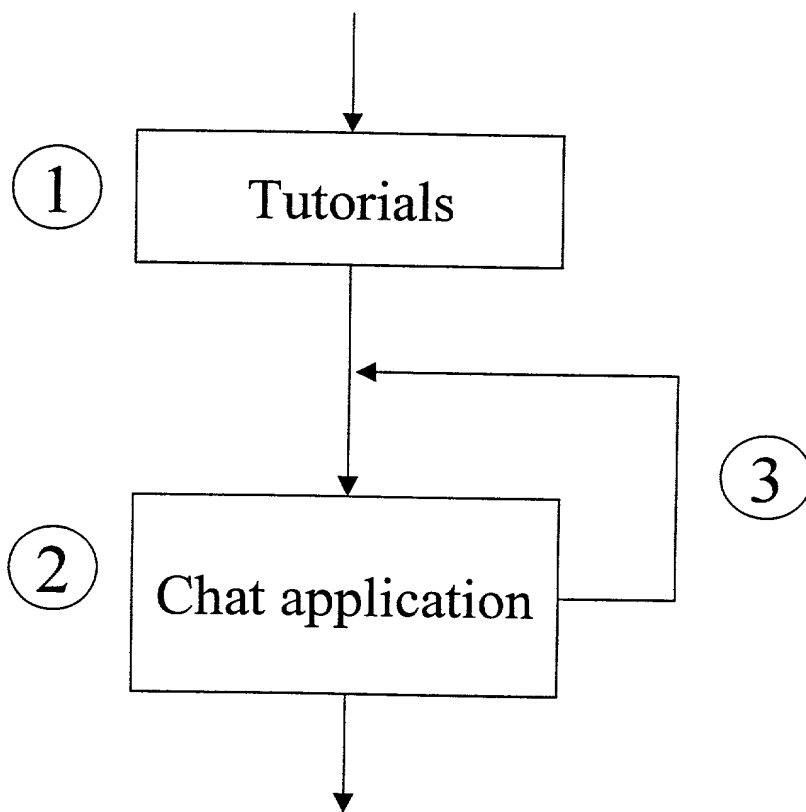


FIGURE 26

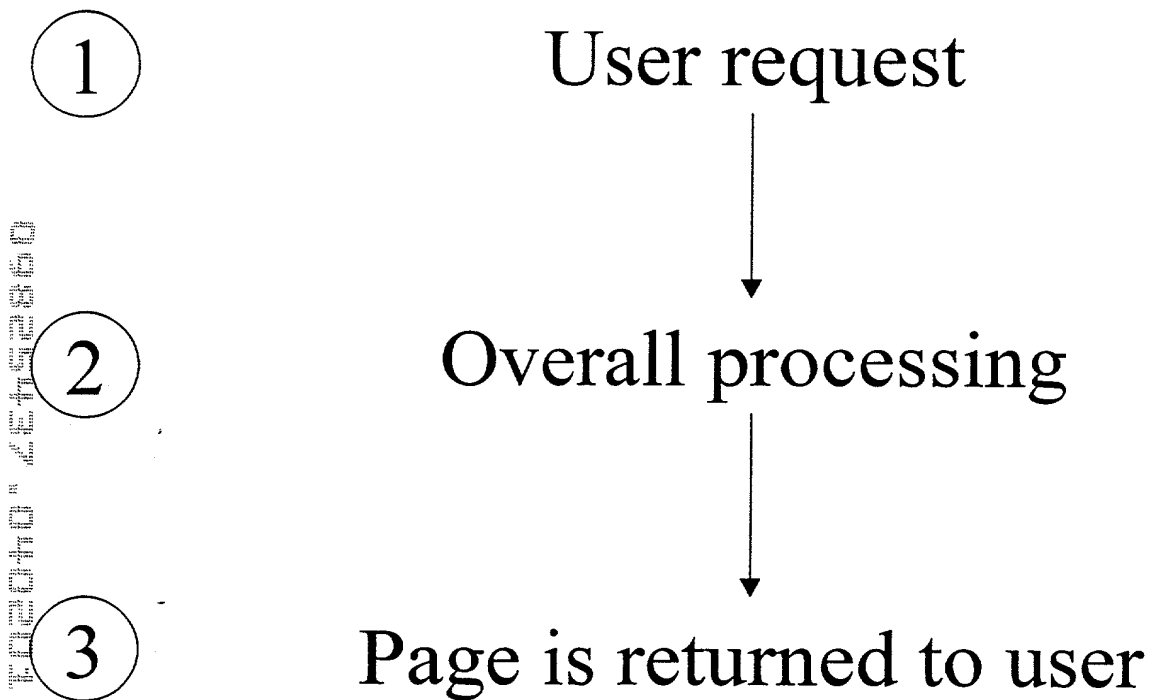


FIGURE 27

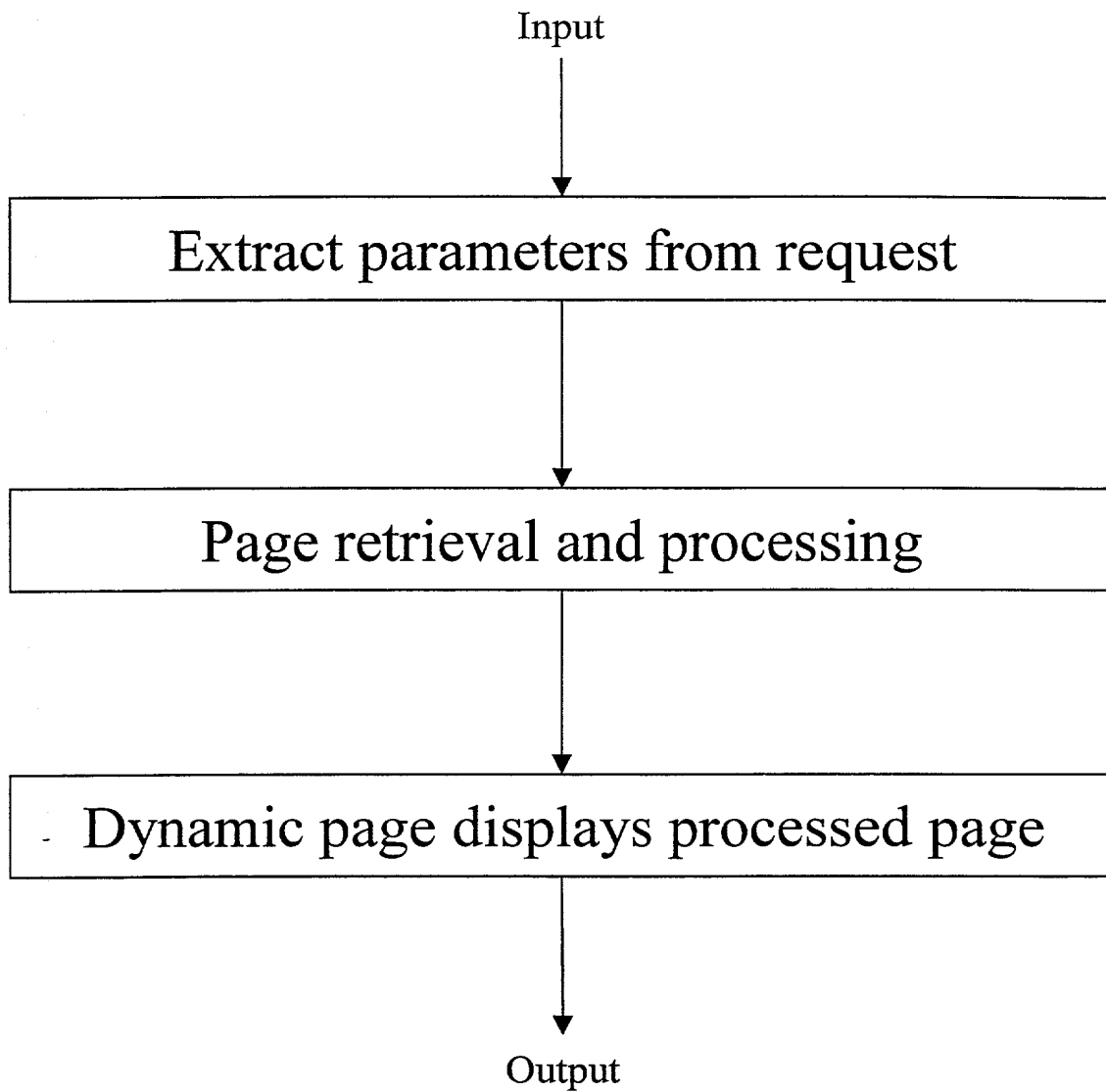


FIGURE 28

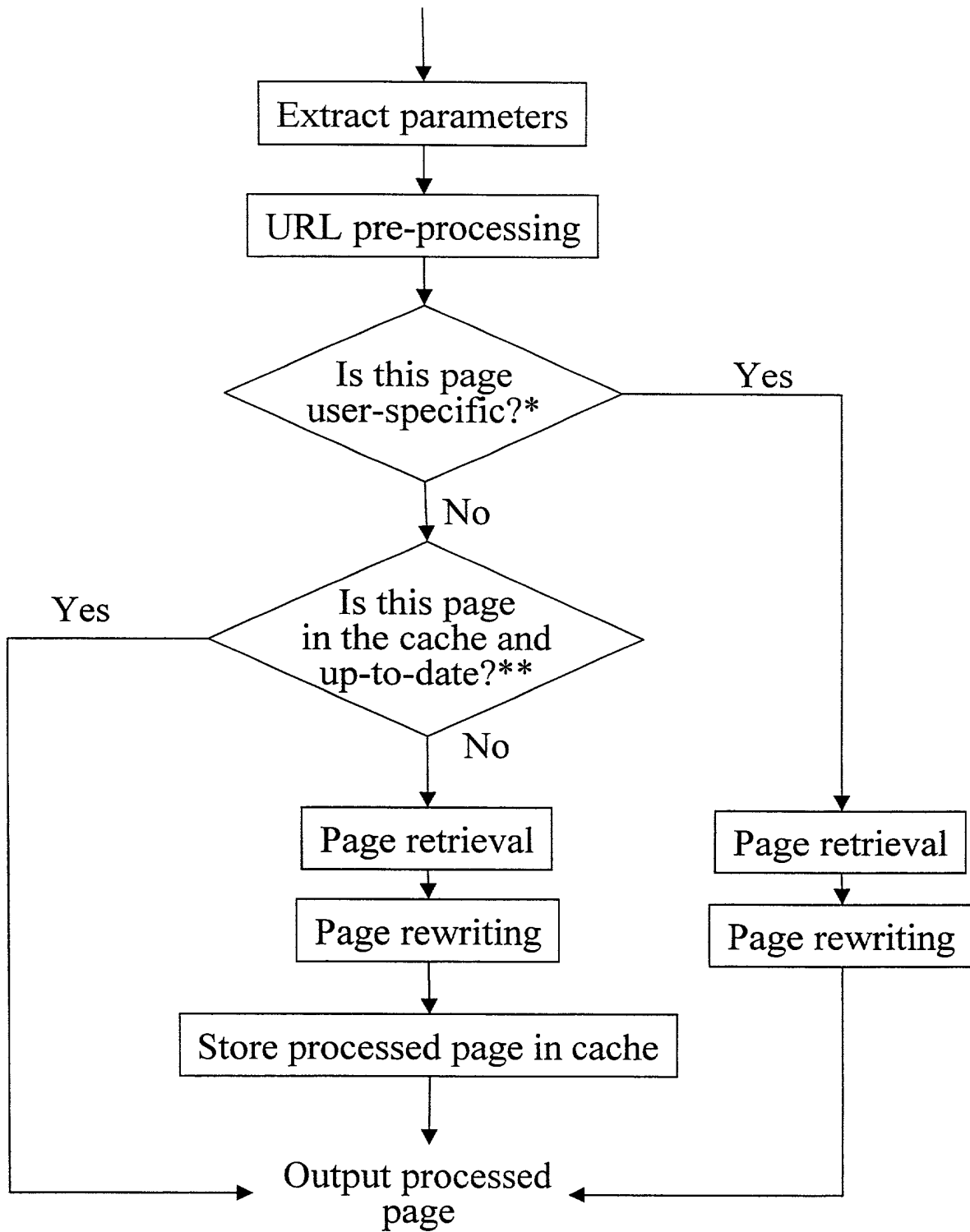


FIGURE 29

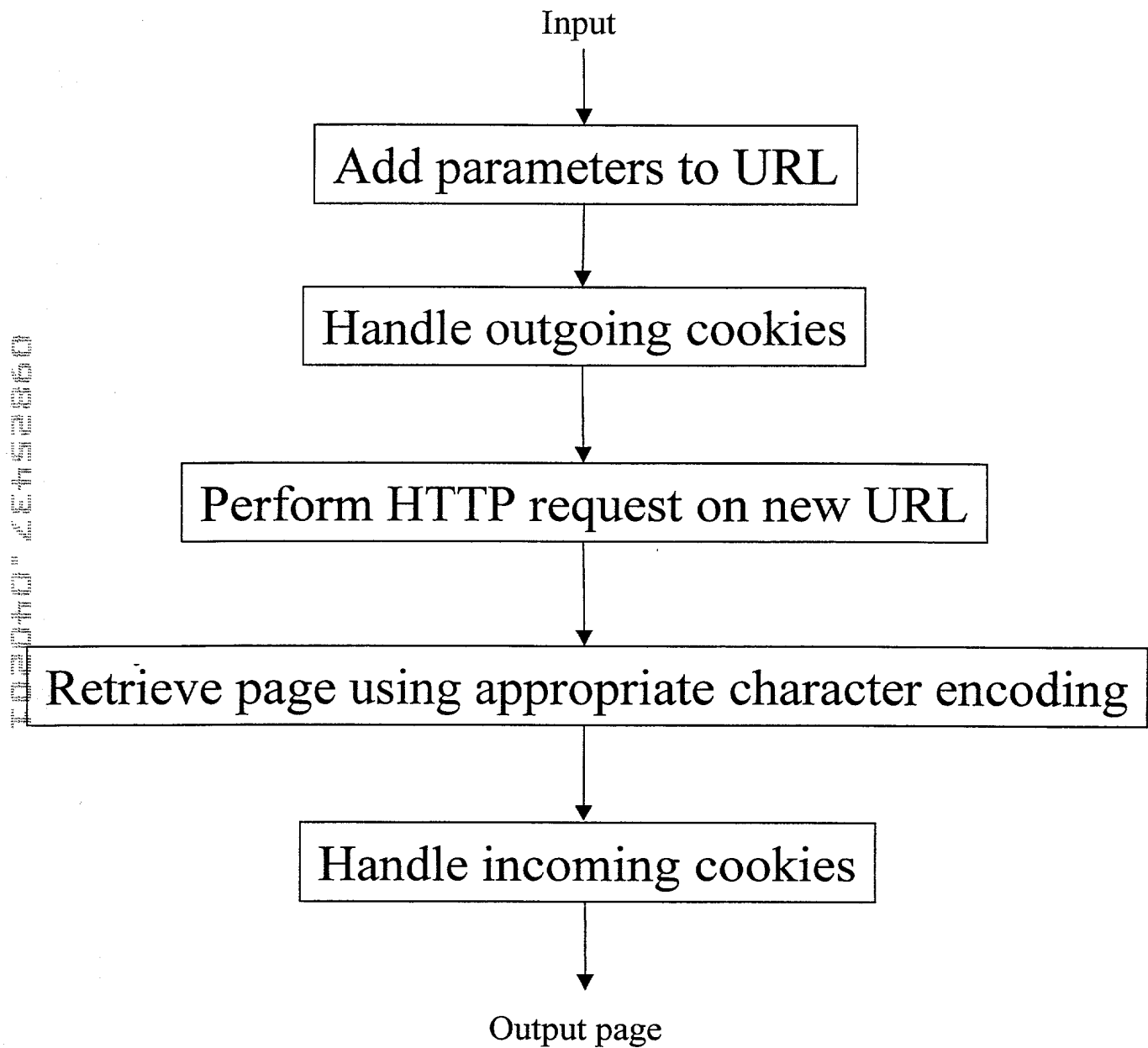
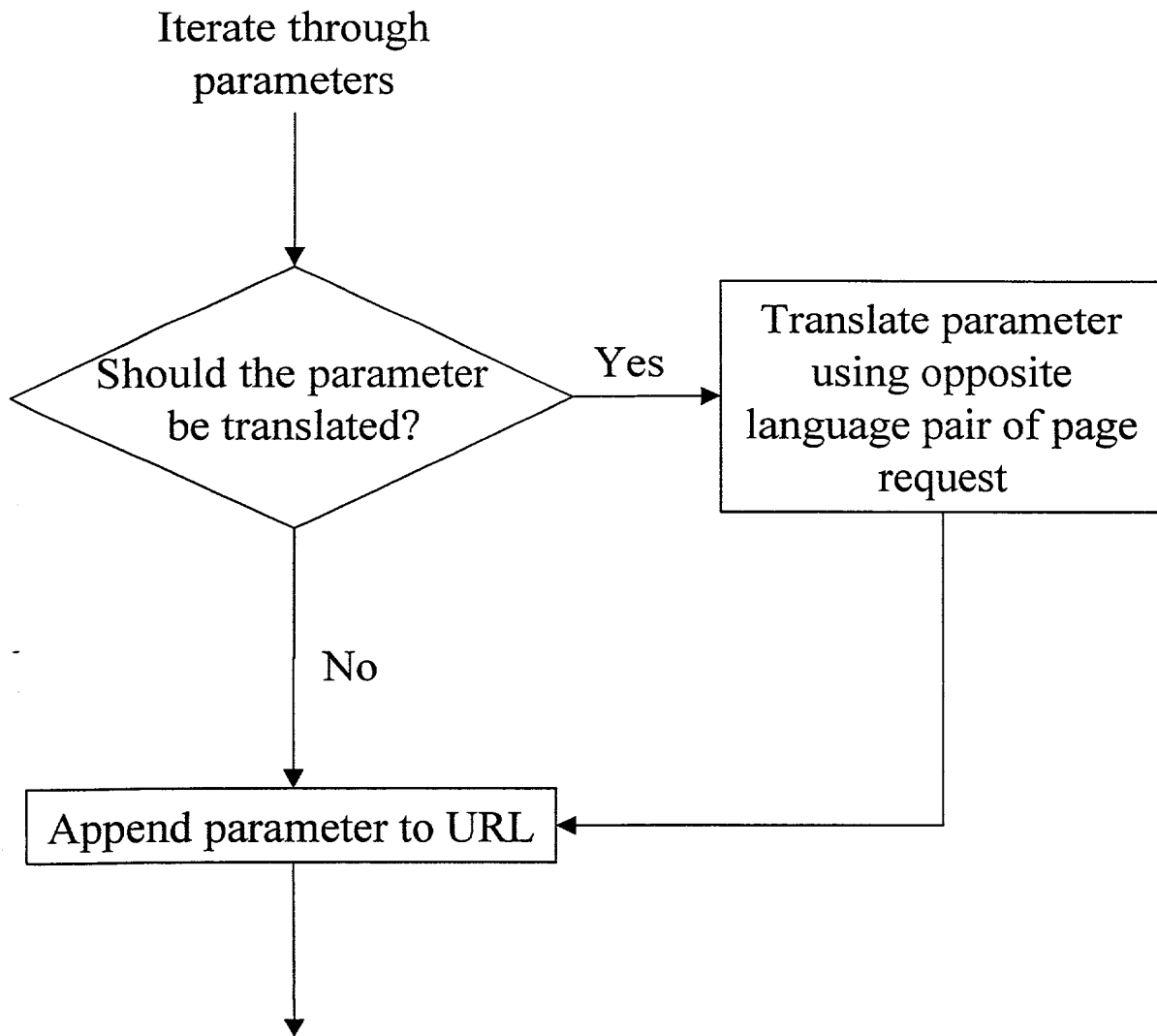


FIGURE 30



Output is new URL with appended parameters

FIGURE 31



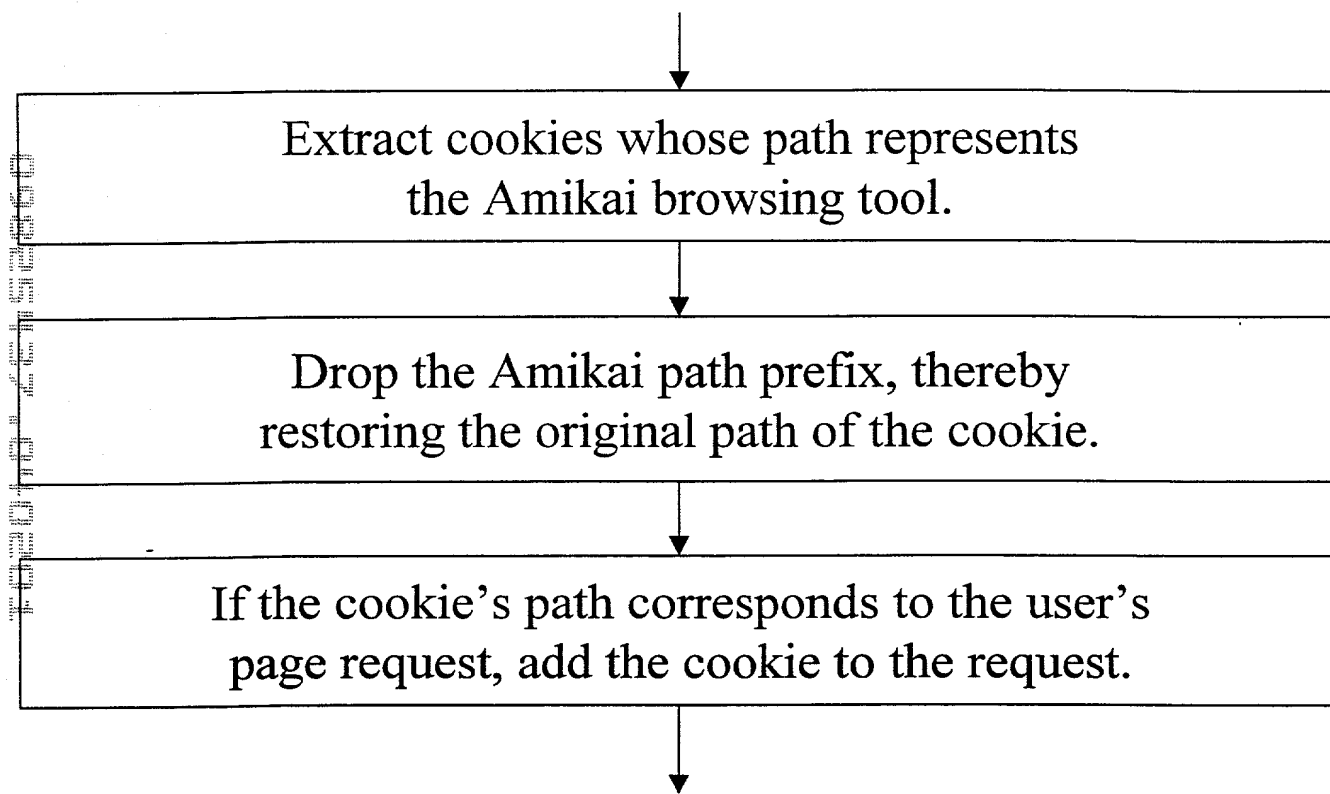


FIGURE 32

**The page rewriting process in the browsing tool**

**It Optionally inserts the translations inline, enabling the user to view the original text and the text translation simultaneously**

**It preserves the look and feel of the original page, by carefully positioning the translations so that they do not disrupt the original page structure, thereby optimizing the user experience**

FIGURE 33

**Pass 1. Traverse through the page, inserting placeholders where translations will be inserted, as well as performing other changes to the page, thereby creating a rewritten page with placeholders. During this pass, a list of text strings is extracted which must be translated before they are inserted**

**Pass 2. Once the text strings are translated, they are inserted into the placeholders in pass 2**

*FIGURE 34*

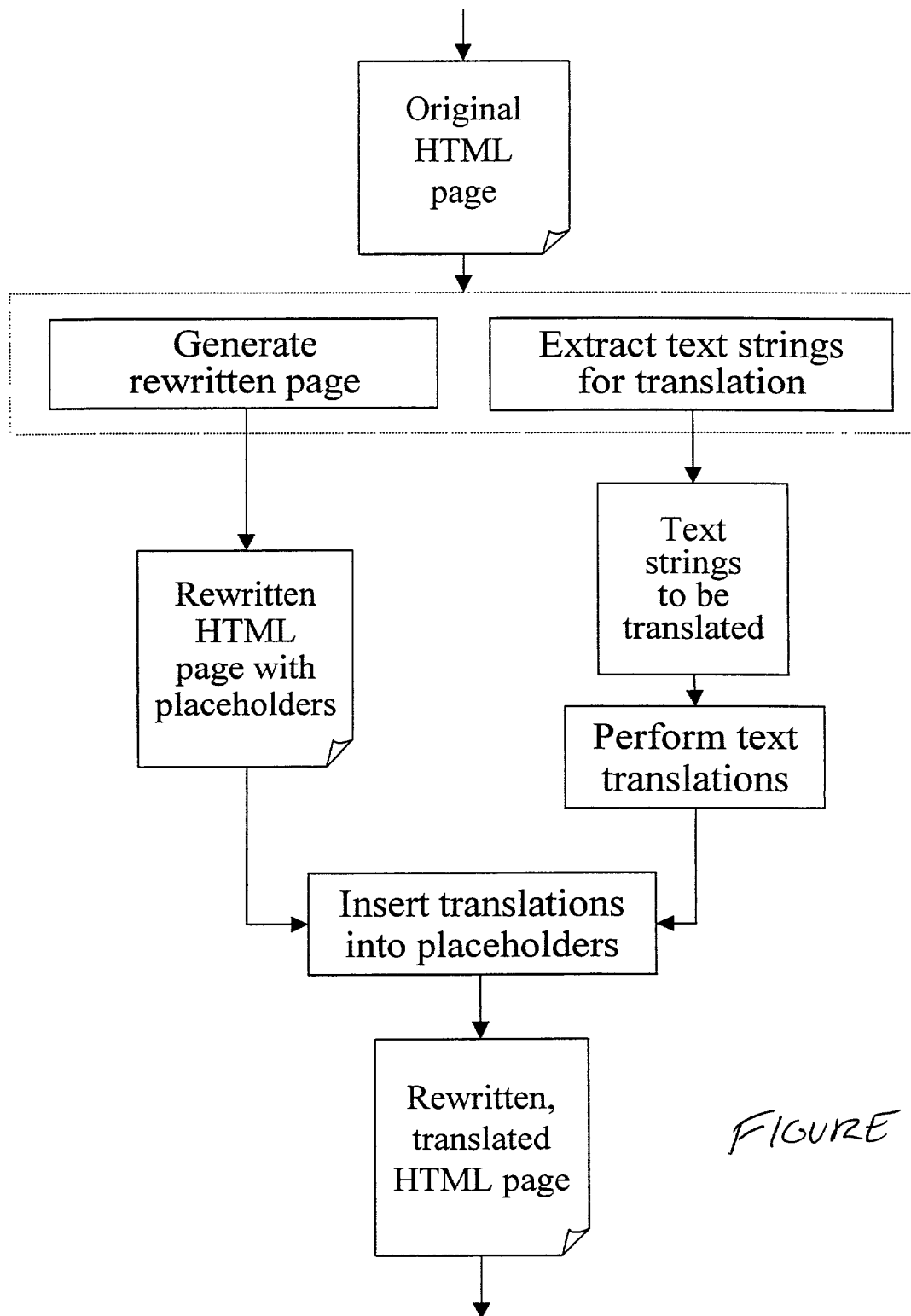


FIGURE 35

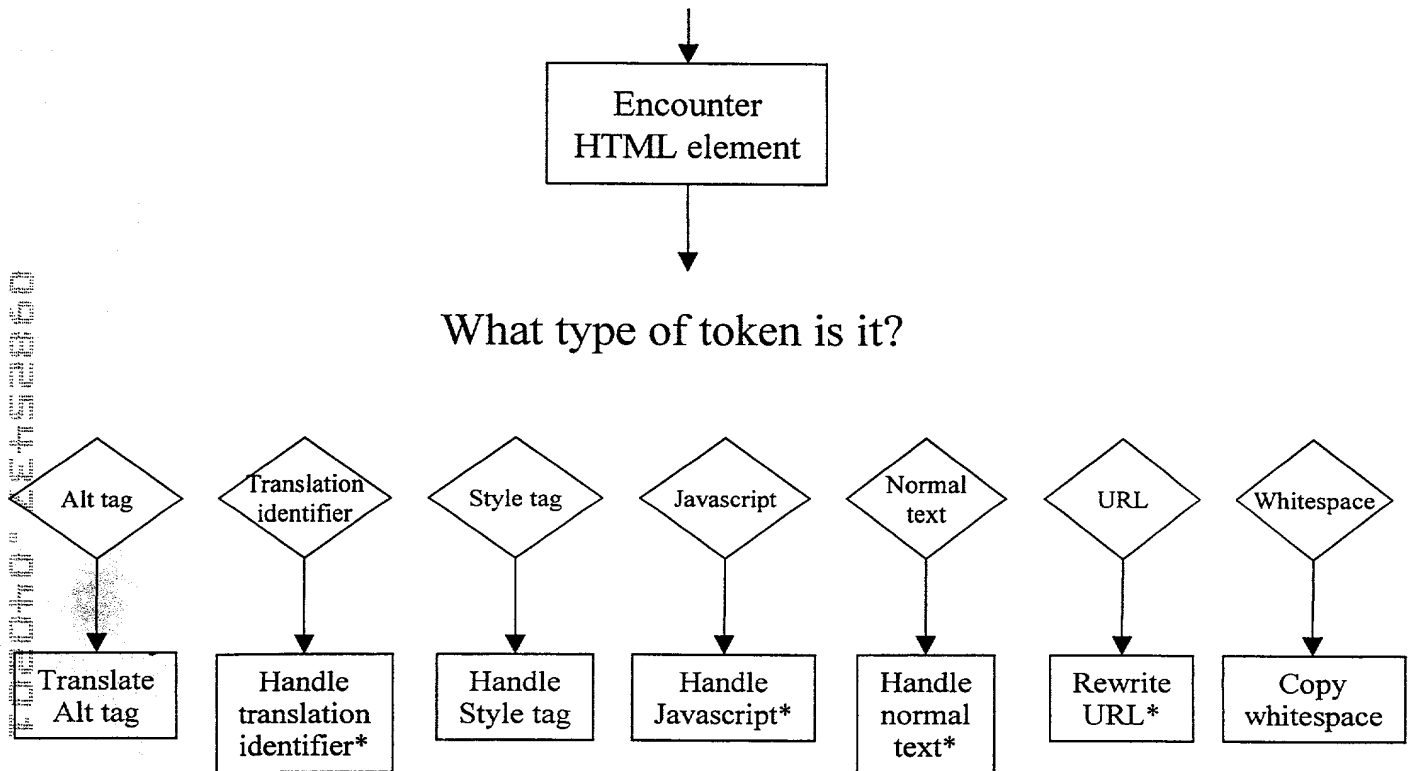


FIGURE 36

Text



Add text to  
translation buffer



Copy text to  
rewritten page\*

FIGURE 37

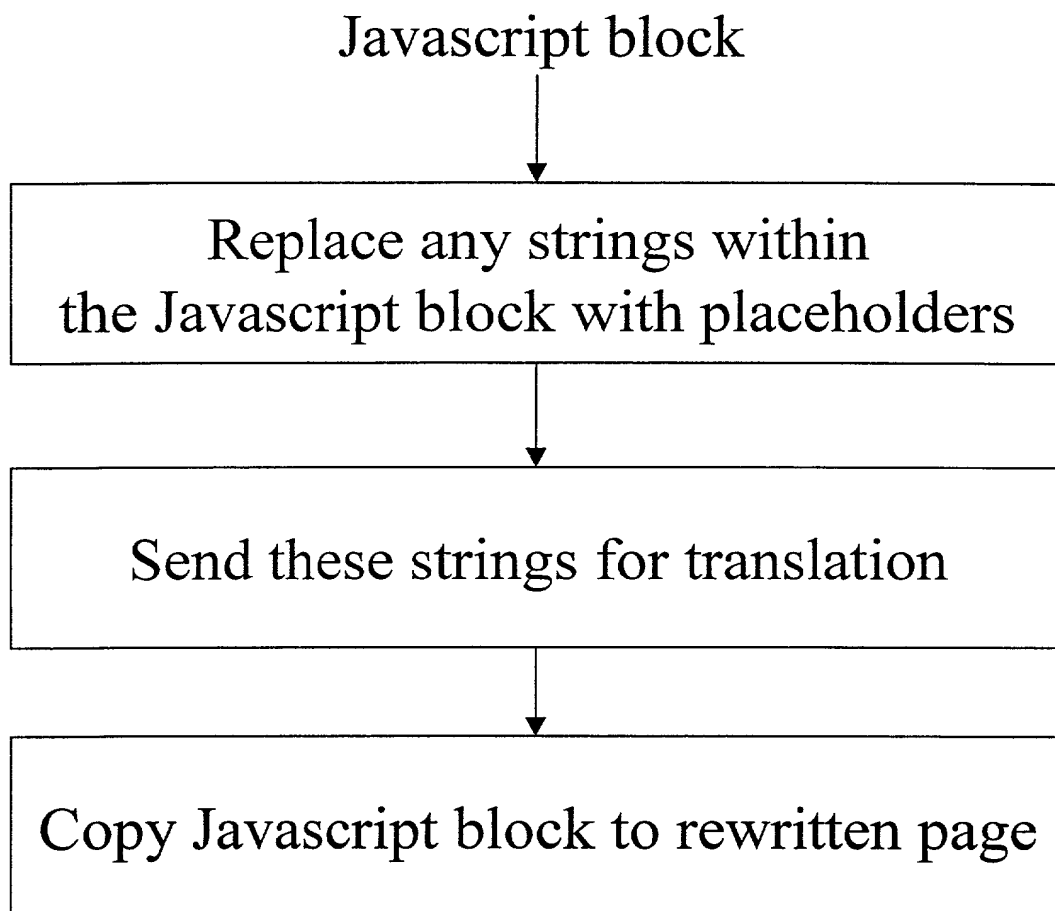


FIGURE 38

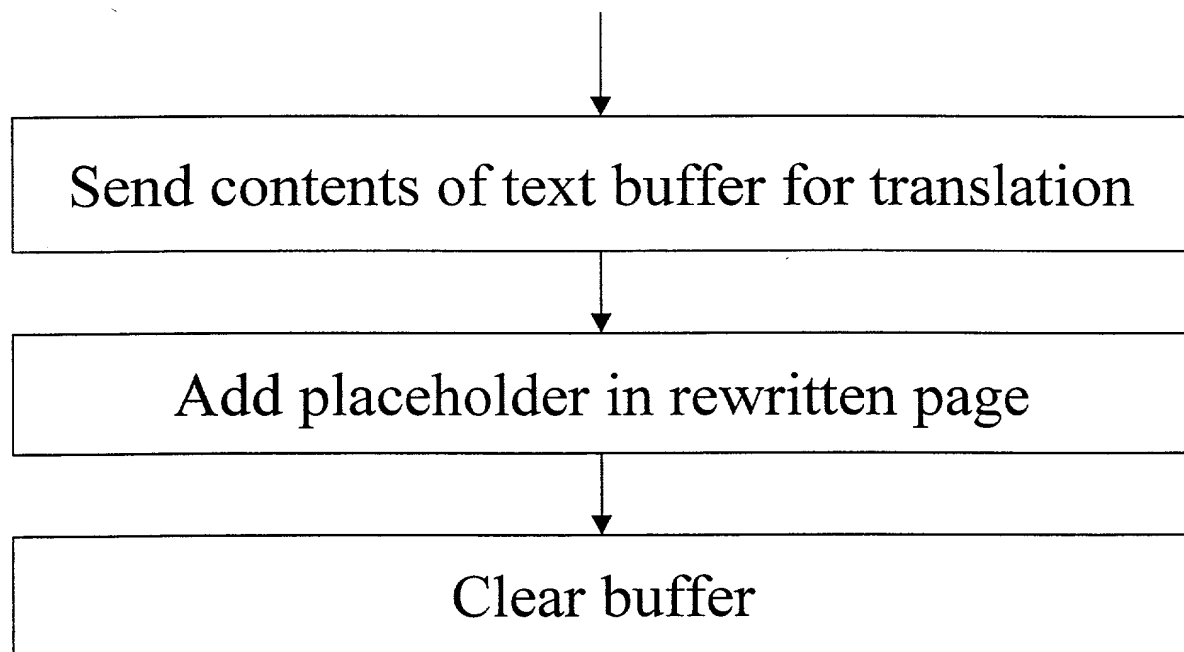


FIGURE 39

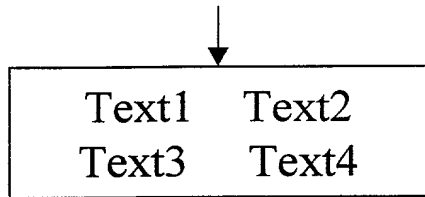


FIGURE 40

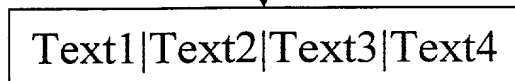
<a href=*URL*>,  
<area href=*URL*>,  
<form action=*URL*>  
<link href=*URL*>,  
<input src=*URL*>,  
<frame src=*URL*>  
<meta url=*URL*>,  
<body background=*URL*>

as well as all other scenarios where the *URL* may contain textual content.

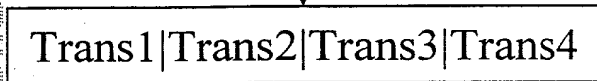
Note that in cases where the URL is a binary object, such as <img src=*URL*> or <td background=*URL*>, the URLs are not rewritten.



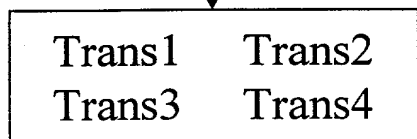
Individual text strings



Are concatenated into a single string, separated by delimiters between the strings



A single call is made to the translation engine, which returns a translated string



The string is broken up into its components, resulting in translations of the original strings

FIGURE 41

Cookie from site



Rewrite the cookie's path to go through  
the path of the browsing tool.



Return the cookie with the response.



FIGURE 42

Figure 43: The Help Button

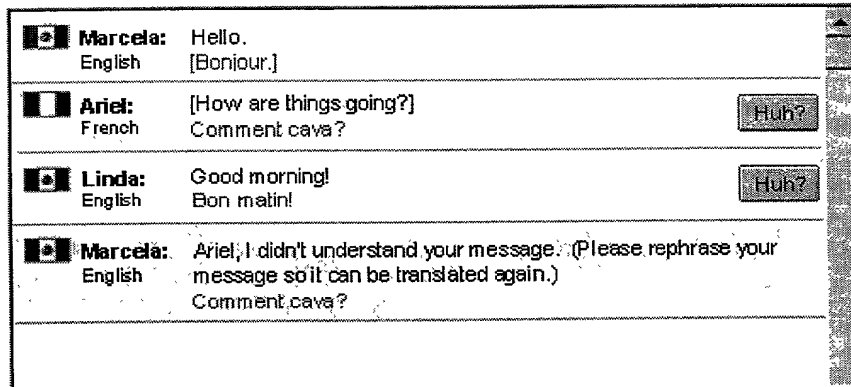


Figure 44

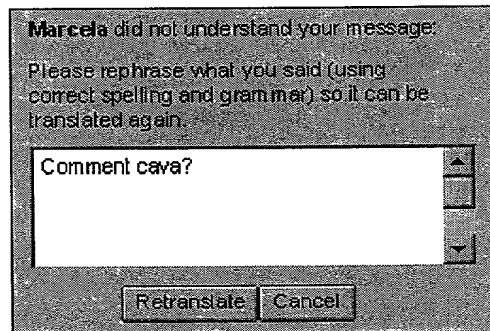
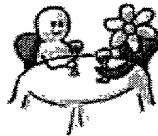


Figure 45

**5. Make sure you capitalize names.**

- ☹ "I had dinner with daisy last night."
- ☺ "I had dinner with Daisy last night."



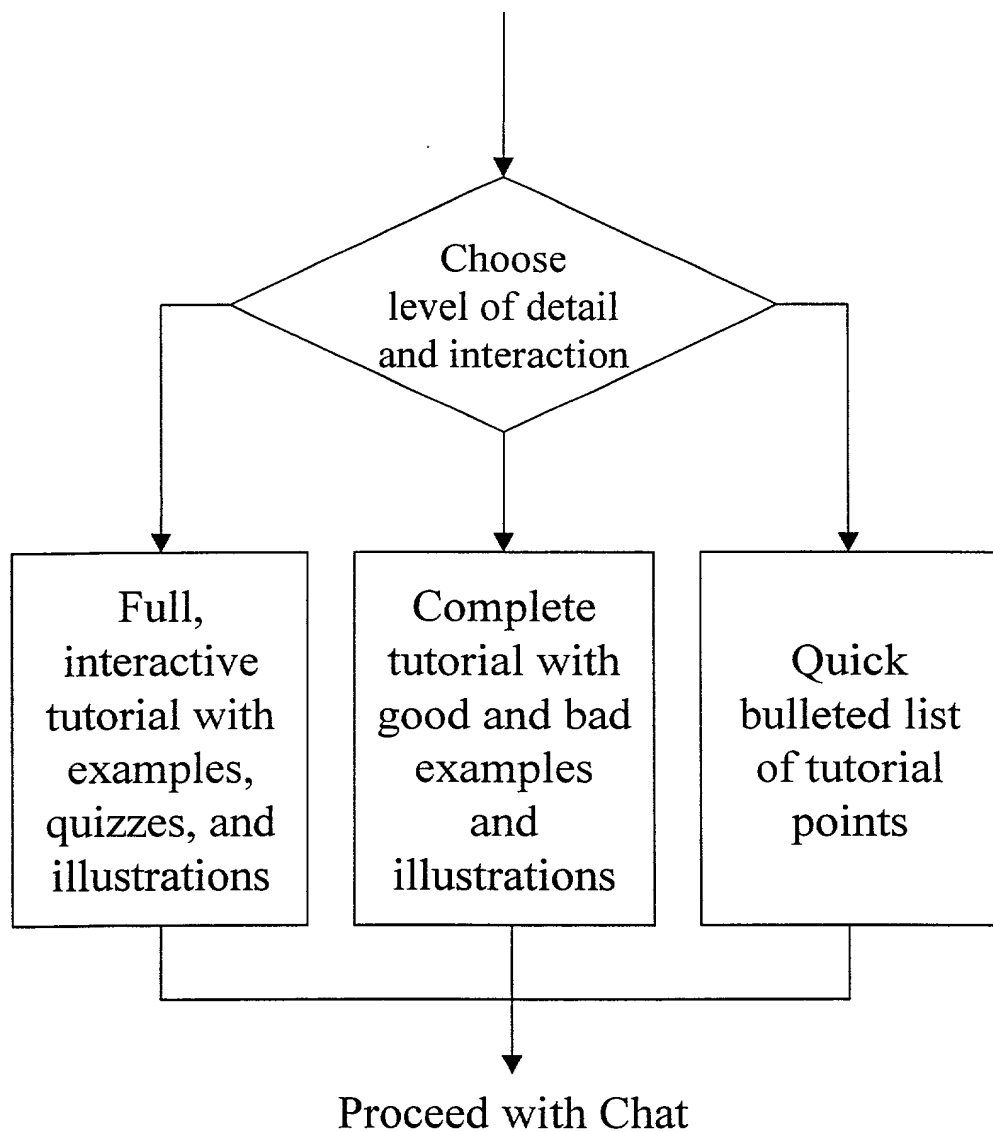
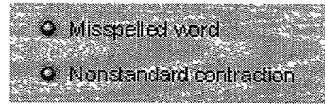


FIGURE 46

**Figure 47**



FOOTNOTES

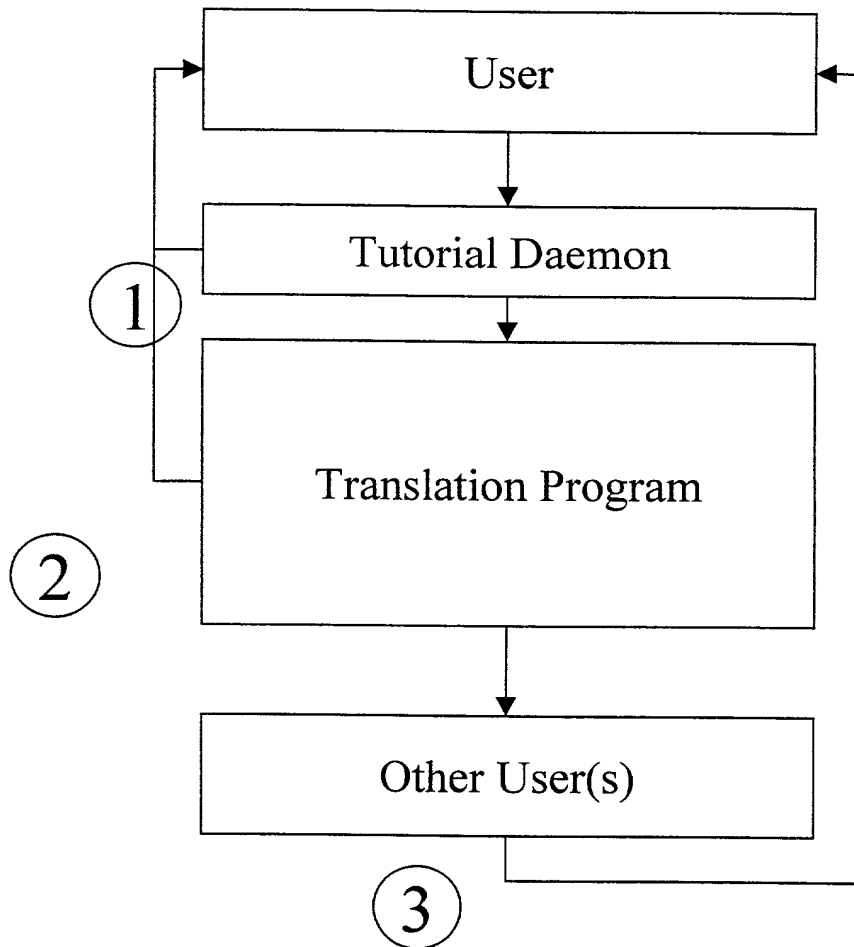


FIGURE 48



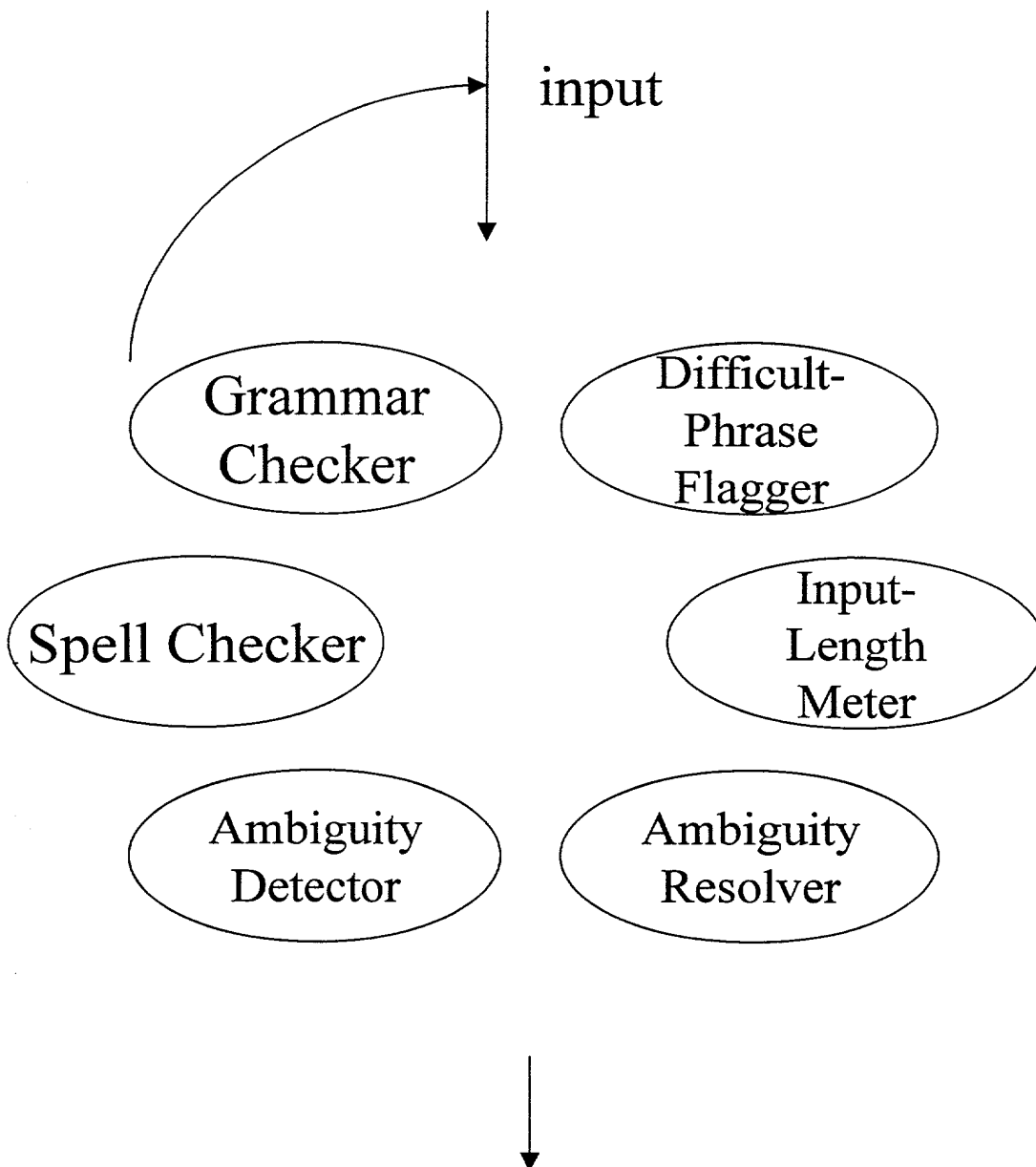


FIGURE 49

Figure 50

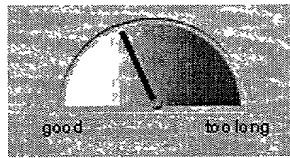


Figure 51

<b>Current users:</b>	
Josh	Alt+11
Marcela	Alt+12
Maki	Alt+13
Tove	Alt+14
<b>Topical:</b>	
Pokemon	Alt+21
Pikachu	Alt+22
Mew	Alt+23
Ash	Alt+24
Nintendo	Alt+25
<b>Custom:</b>	
My name is Ariel	F2
My e-mail is ariel@amikal.com	F3
I love penguins	F4

Figure 52

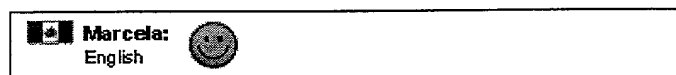


Figure 53

**My Translator**

**Custom Dictionary:** [\(Edit\)](#)  
じゃね (jpn) - see ya (eng)  
かっこいい (jpn) - that's cool (eng)  
ひさしぶり (jpn) - long time no see (eng)

**Custom Phrases:** [\(Edit\)](#)  
My name is Ariel. (F2)  
My e-mail is ariel@amikai.com. (F3)  
I love penguins. (F4)

**Do not translate these words:** [\(Edit\)](#)

Ray	▲
Apple	■
AudioTime	■
Lunar Technologies	▼

**Notes:** [\(Edit\)](#)  
[Japanese grammar](#)  
[Egypt Travel Tips](#)

**Default topic:**  
Hi-tech ▼

User builds...

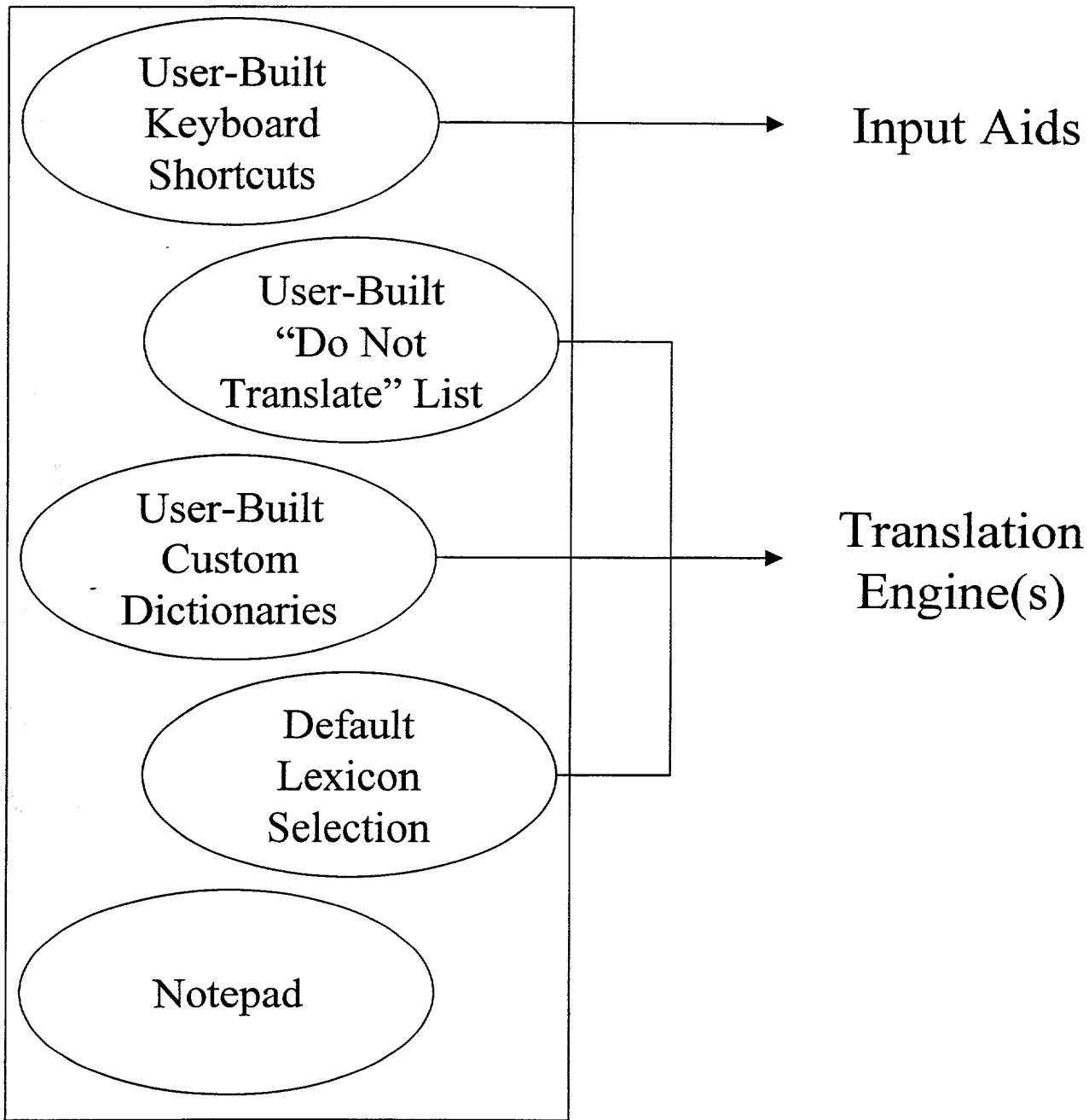


FIGURE 54

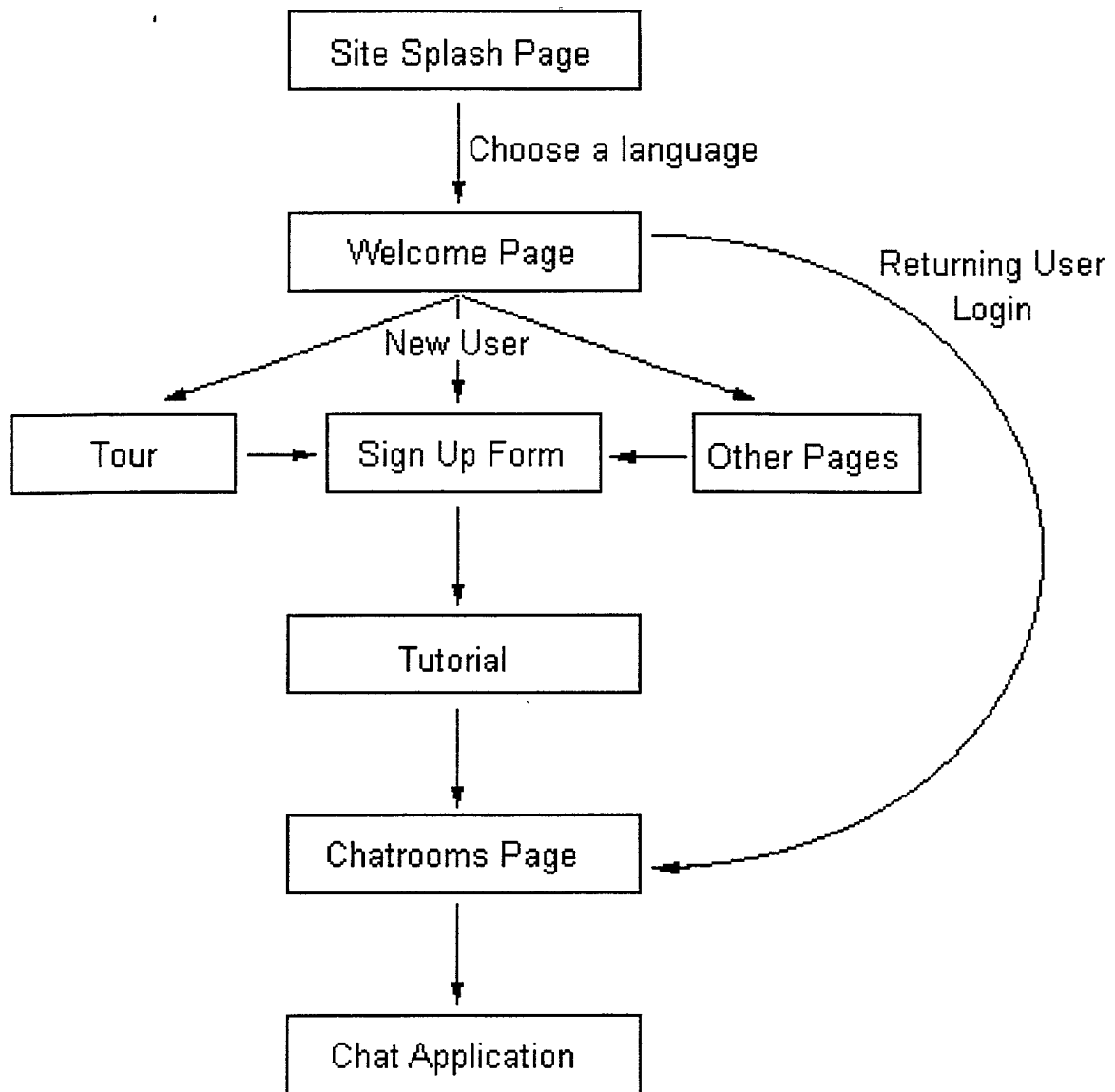


FIGURE 55

TELEPHONE 25452860

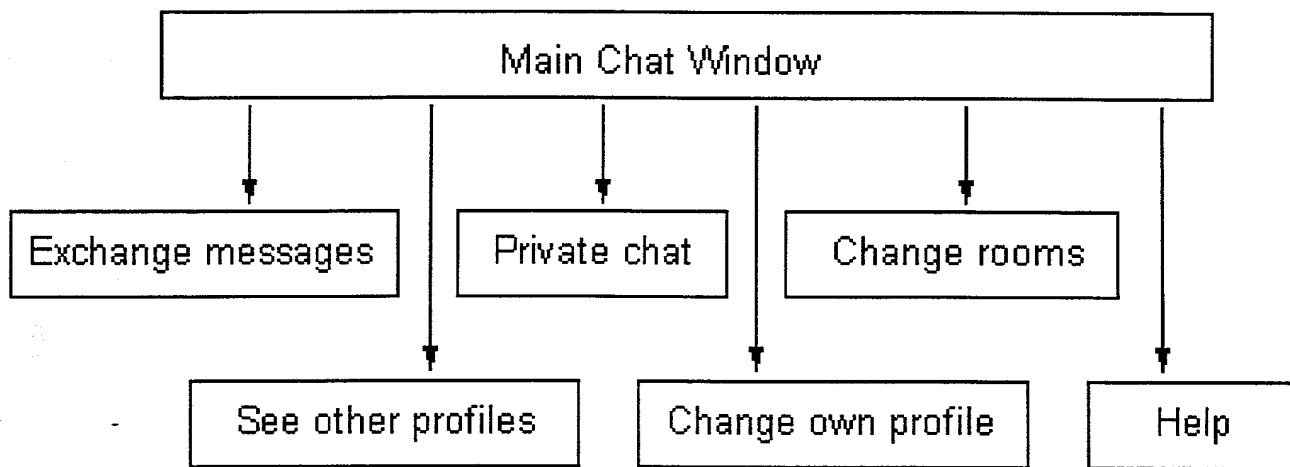


FIGURE 56

FIGURE 57

09547 04070 2E452860

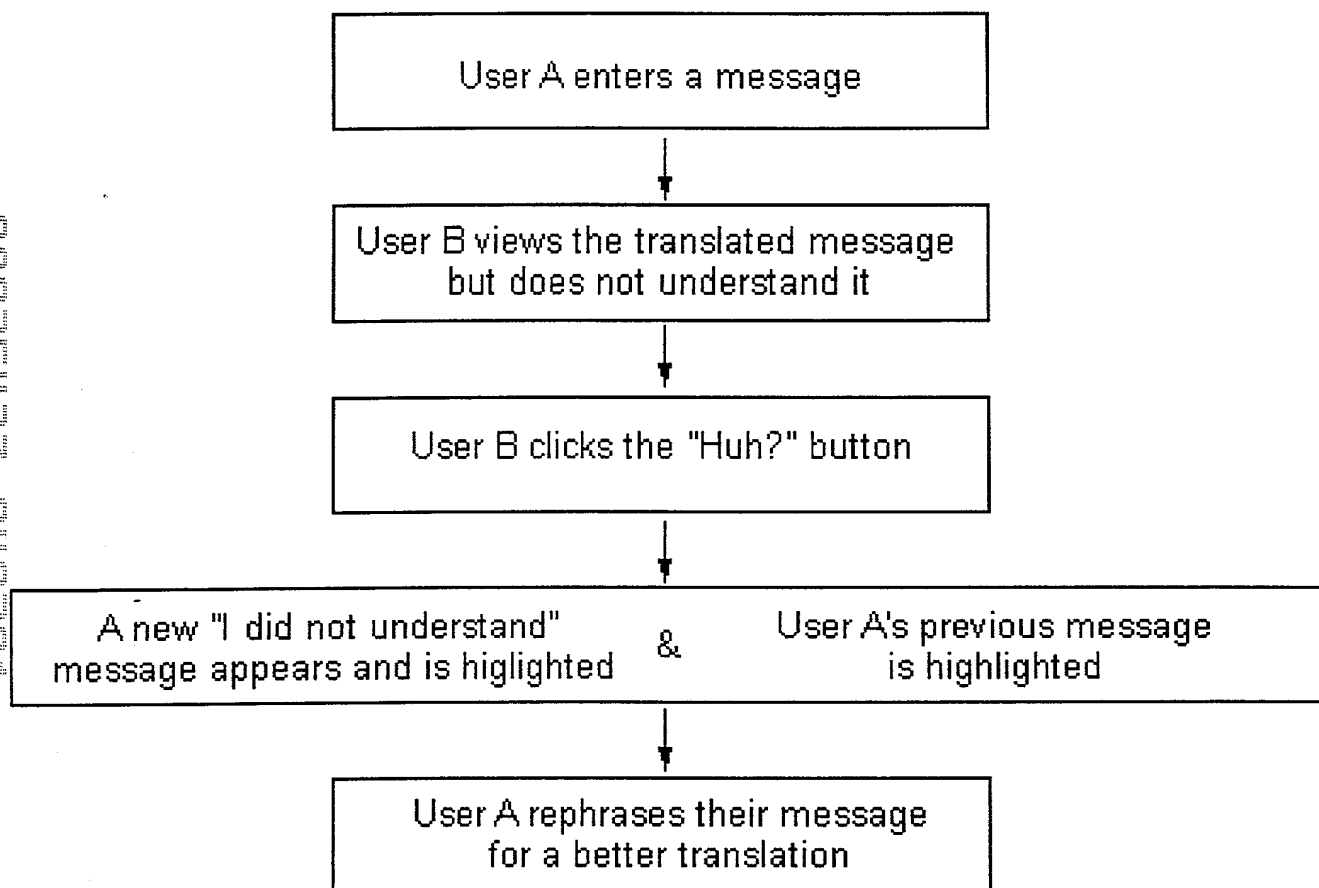


FIGURE 58



0935437 040304

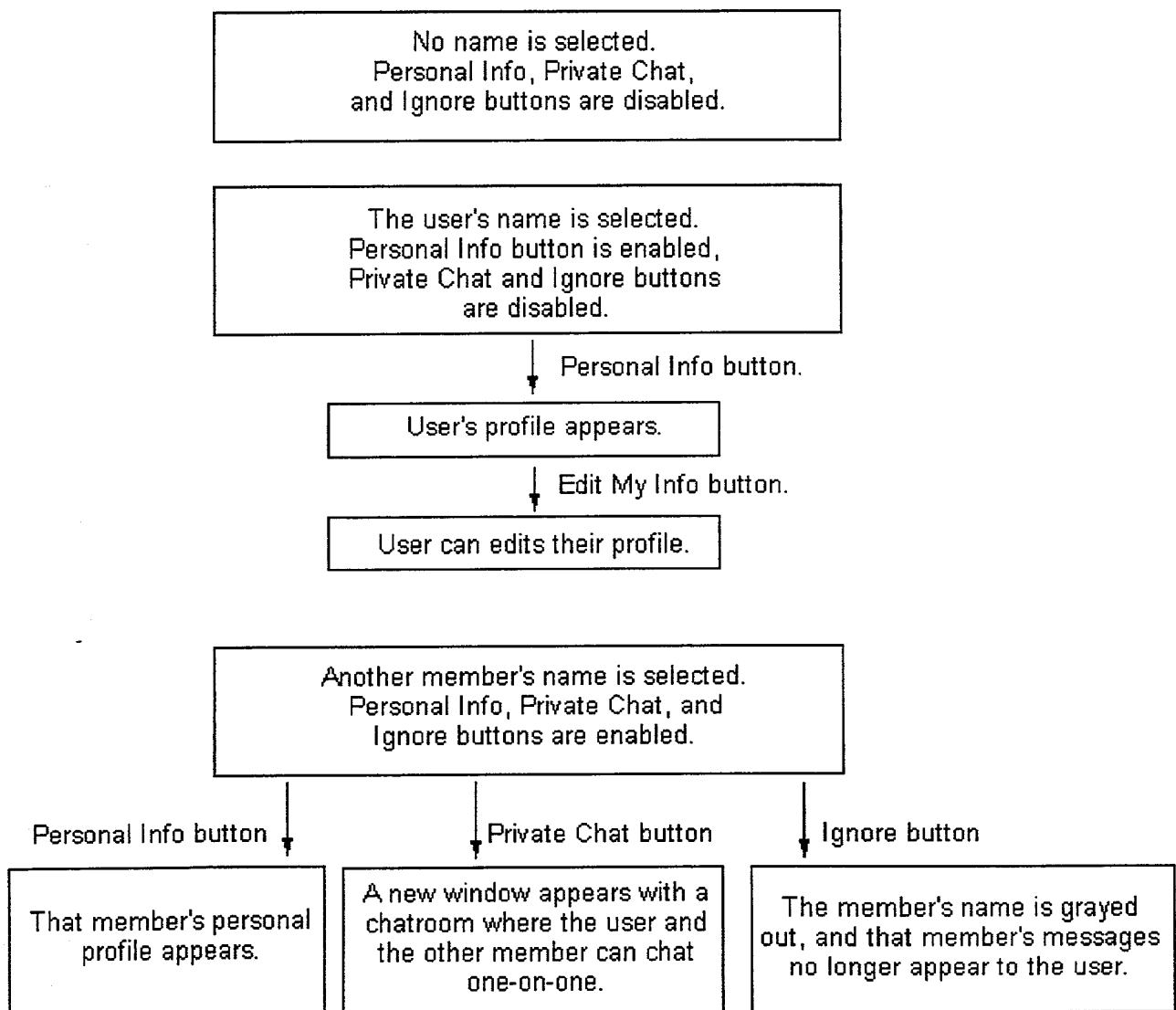


FIGURE 59

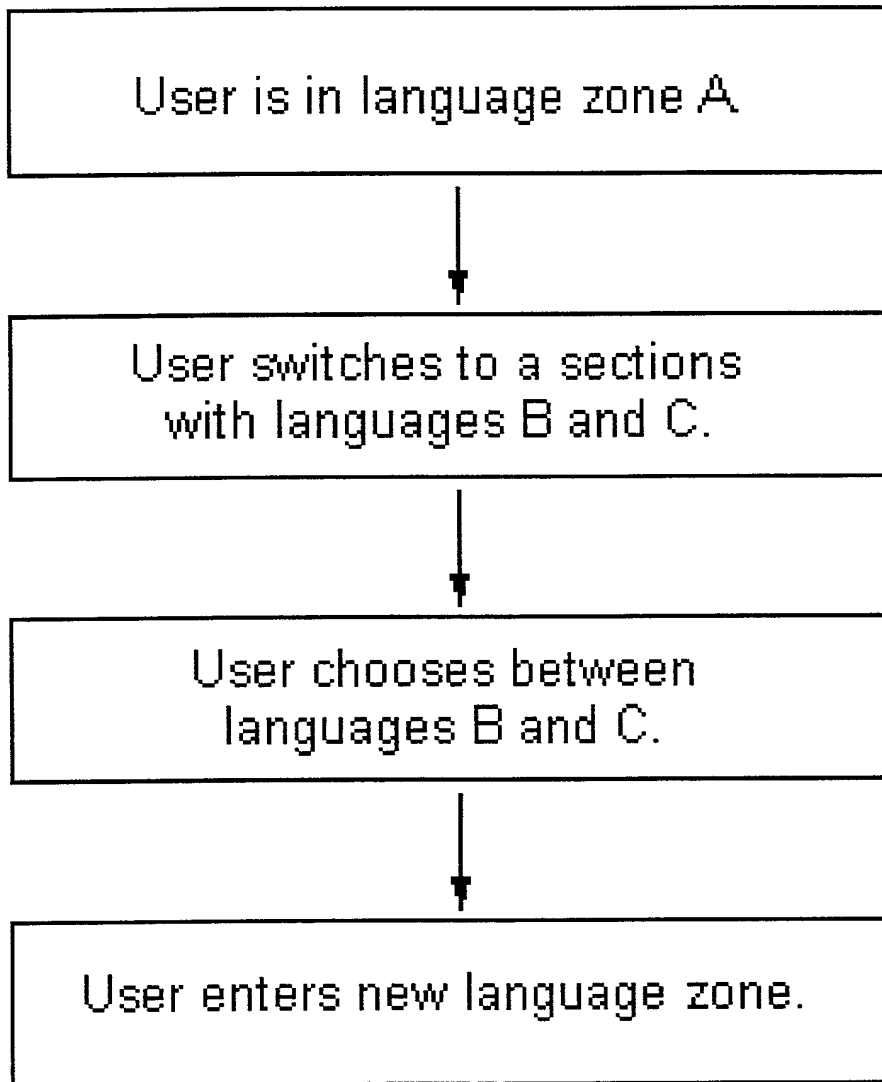


FIGURE 60

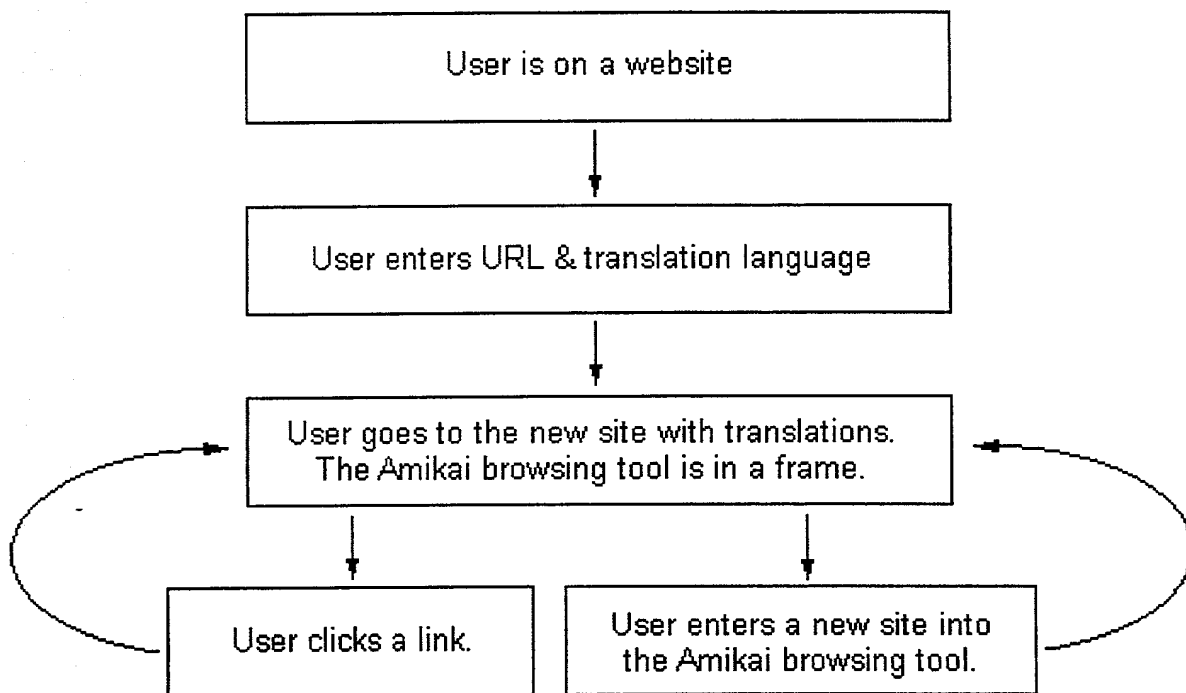


FIGURE 61

FIG. 62

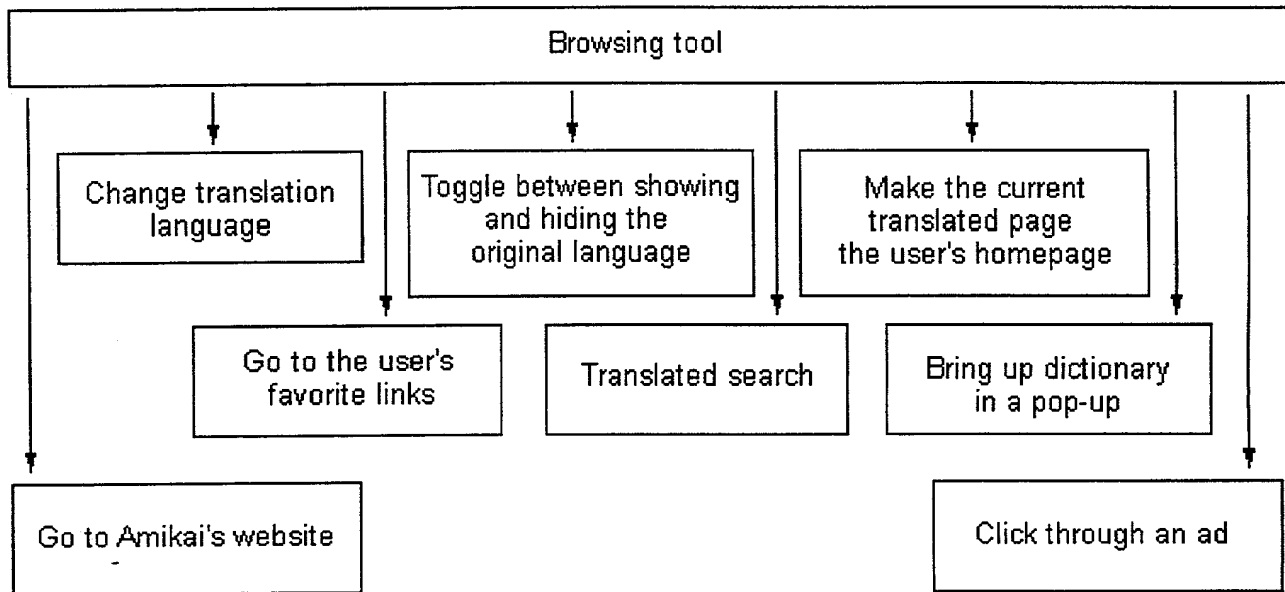


FIGURE 62